CONSTRUCTION NEWS

UPS AND DOWNS OF THE MARKET

A number of changes shown this month in various cities is adjustment following the freight increases.

PIG IRON—General advance since last month.

STEEL RAILS—Price of standard rails unchanged. Makers of light rails are meeting with keener competition and fewer orders. Our lower limit of prices for light rails has been advanced 43 cents per 100 lb in Pittsburgh, with an upper limit the same as in Chicago.

TRACK SUPPLIES—Pittsburgh quotations the same. Reduction in price of standard spikes in Chicago; readjustment of prices of track bolts and standard-section angle-bars. Bolts and bars up in San Francisco. Prices of railway ties unchanged.

PIPE—No change in discount list for iron and steel pipe since last month. Mills sold ahead on lap-weld pipe for several months, with almost the same conditions prevailing for butt-weld. National Tube Co. reports production in excess of shipment. In the case of sewer pipe, New York prices are double those a year ago. We show an increase also in San Francisco, New Orleans, Atlanta and Baltimore and Detroit. Prices of clay drain tile advanced twice in San Francisco (last advance effective Sept. 15), present prices being much in excess of those recently published. General advance in cast-iron pipe to take care of freight increases.

WOOD BLOCKS—Down in Minneapolis; up in New Orleans. A very large producer in the New York district reports no change of prices, stating further that though the cost of lumber has decreased slightly the price of oil is advancing to an extreme figure. Where the "maintenance-of-way" oil once sold for 13c. per gal., present price is 31c.

CONCRETING MATERIALS—There are a number of advances in the price of sand and gravel, notably in Detroit, Denver, Chicago, Minneapolis and New Orleans. Crushed stone up in Chicago, St. Louis and Montreal; down in Detroit. No change in crushed slag. The fairly general advance in cement prices is largely to take care of the freight increase. New York price remains practically the same as last month. Price in Jersey City delivered is $4.39 against $4.25 last month. Lime advanced in several cities. Hydrated is up $1.50 per ton in New York, while lump advanced 30c. per bag to take care of freight increase.

REINFORCING MATERIALS—We show the new prices for Pittsburgh and New York on triangle mesh, the advance being about $10 per ton, which takes care not only of the increased freights but also of increased cost of raw materials that go into the making of the mesh. Advance of 10 per cent in Chicago not shown this month because figures have not yet been compiled. Reinforcing-bar situation about the same in the mills and New York warehouses. In Chicago the minimum quotation on bars is up 11c. to cover new freight costs.

COMMON BRICK—Slackened demand has caused a sharp decrease in New York, from $30.75 to $22.70, delivered. Decreases also in Denver and Detroit, with advances in St. Louis and Seattle.

HOLLOW TILE—Very few changes. Increases in San Francisco, Minneapolis and New Orleans. Decreases in Baltimore and Detroit.

STRUCTURAL MATERIAL—With a marked improvement in transportation facilities the mills are making much better deliveries, but the demand appears to have fallen considerably. With the exception of an advance on rivets in Chicago our prices remain the same as last month. Some jobbers are quoting lower prices, but in most cases this indicates insufficient stocks.

STEEL SHEETS—Market is easier as regards stocks and deliveries. Advances in New York and Chicago.

ROOFINGS—Shingles, red and green slate finish, are very scarce and are now selling at $10 per square in carloads, against $7.75 in August, $6 in the early part of 1920, and $5 in 1919. There has been a general advance in felt and pitch, both tar and asphalt.

LUMBER—Yellow pine declined in St. Louis. Our Montreal representative reports 5 to 10 per cent decrease in his district made by dealers to stimulate demand for building materials. Prices have been declining in Baltimore since June 15 owing to stagnation in local building, Baltimore dealers being willing to operate at present on a cost-plus-overhead basis.

LABOR—There has been a marked easing in the labor situation due to a general tightening up at works, and also to increasing immigration. As an indication, some 50,000 men have been laid off in Akron.

Price advances are indicated by **heavy type**; declines by *italics*

PIG IRON—Quotations compiled by The Matthew Addy Co.:

	Current	One Year Ago
CINCINNATI		
No. 2 Southern	**$46.50**	$36.60
Northern Basic	51.30	27.55
Southern Ohio No. 2	**48.50**	31.10
NEW YORK, tidewater delivery		
2X Virginia (silicon 2.25 to 2.75)	**57.12**	32.40
Southern No. 2 (silicon 2.25 to 2.75)	**52.10**	35.20
BIRMINGHAM		
No. 2 Foundry	**42.00@45.00**	29.10
PHILADELPHIA		
Eastern Pa	**51.25***	29@30*
Virginia No. 2	50.00†	33.10†
Basic	**51.00***	26.75*
Grey Forge	**49.00***	26.25*
CHICAGO		
No. 2 Foundry Local	46.00	26.75
No. 2 Foundry Southern	**50.00**	33.60
PITTSBURGH, including freight charge from the Valley		
No. 2 Foundry Valley	**49.56**	28.15
Basic	**48.96**	27.15
Bessemer	**51.96**	29.35

* F. o. b. furnace. † Delivered.

RAILWAY SUPPLIES

STEEL RAILS—The following quotations are per ton f. o. b. Pittsburgh and Chicago for carload or larger lots. For less than carload lots 5c. per 100 lb. is charged extra:

	Pittsburgh		Chicago	
	Current	One Year Ago	Current	One Year Ago
Standard bessemer rails	$55.00	$45.00	$45.00@$55.00	$45.00
Standard openhearth rails	57.00	47.00	47.00@ 57.00	47.00
Light rails, 8 to 10 lb	2.88 @ 3.50*	2.585*	2.45 @ 3.50*	2.585
Light rails, 12 to 14 lb	2.84 @ 3.34*	2.54*	2.41 @ 3.34*	2.54
Light rails, 25 to 45 lb	2.75 @ 3.25*	2.45*	2.32 @ 3.25*	2.45

* Per 100 lb.

RAILWAY TIES—For fair-sized orders, the following prices per tie hold:

		7 In. x 9 In. by 8 Ft. 6 In.	6 In. x 8 In. by 8½ Ft.
Chicago	Plain	$2.00	$2.25
Chicago	Creosoted	2.25	2.50
San Francisco	Douglas Fir—Green	1.35	.96
San Francisco	Douglas Fir—Creosoted	2.70	1.92

Prices per tie at mills in St. Louis district:

Untreated A Grade White Oak 6x8x8		Untreated A Grade Red Oak 6x8x8	
No. 1	$0.80	No. 1	$0.60
No. 2	.90	No. 2	.70
No. 3	1.00	No. 3	.80
No. 4	1.25		
7x9x8 white oak			1.05
7x9x8 red oak (No. 4)	$0.80	No. 5	.87

Note:—Prices delivered in St. Louis, white oak 6 x 8 x 8, best grade, $2; 7 x 9 x 9, $2.25.

TRACK SUPPLIES—The following prices are base per 100 lb. f.o.b. Pittsburgh for carload lots, together with the warehouse prices at the places named:

	Pittsburgh Current	Pittsburgh One Year Ago	Chicago	St. Louis	San Francisco
Standard spikes, ½-in. and larger	$4 @ 4 25	$3.35	$3.40@4.00	$5.34	$7 75
Track bolts	6 00@6.50	4.35	4 60@5.00 Premium		9 25
Standard section angle bars	3.00@4.00	3.00	2.75@3.40 Premium		5.45

PIPE

WROUGHT PIPE—The following discounts are to jobbers for carload lots on the Pittsburgh basing card:

BUTT WELD

Steel Inches	Steel Black	Steel Galv.	Iron Inches	Iron Black	Iron Galv.
⅛ to 3	45 to 57½	41½ to 44	⅛	15½ to 25½	+1½ to 11½
			¼	19½ to 29½	1½ to 11½
			⅜ to 1½	24½ to 34½	8 to 18½

LAP WELD

2	47 to 50½	34½ to 38	2	20½ to 28½	6½ to 14½
2½ to 6	50 to 53½	37½ to 41	2½ to 6	22½ to 30½	9½ to 17½
7 to 12	47 to 50½	33½ to 37	7 to 12	19½ to 27½	6½ to 14½
13 and 14	37½ to 41				
15	35 to 38½				

BUTT WELD, EXTRA STRONG, PLAIN ENDS

to 1½	52 to 55½	39½ to 43	¼ to 1½	24½ to 34½	9½ to 19½
2 to 3	53 to 56½	40½ to 44			

LAP WELD, EXTRA STRONG, PLAIN ENDS

2	45 to 48½	33½ to 37	2	21½ to 29½	8½ to 16½
2½ to 4	48 to 51½	36½ to 40	2½ to 4	23½ to 31½	11½ to 19½
4½ to 6	47 to 50½	35½ to 39	4½ to 6	22½ to 30½	10½ to 18½
7 to 8	43 to 45½	29½ to 33	7 to 8	14½ to 22½	2½ to 10½
9 to 12	38 to 41½	24½ to 28	9 to 12	9½ to 17½	5½ to +2½

STEEL—From warehouses at the places named the following discounts hold for steel pipe:

	Black New York	Black Chicago	Black St. Louis
⅛ to 3 in. butt welded	40%	54@40%	37%
2½ to 6 in. lap welded	35%	50@40%	33½%

	Galvanized New York	Galvanized Chicago	Galvanized St. Louis
⅛ to 3 in. butt welded	24%	40½@30%	22%
2½ to 6 in. lap welded	20%	37½%@27½	19%

Malleable fittings, Class B and C, from New York stock sell at + 32% list prices. Cast iron, standard sizes, net.

CAST-IRON PIPE—The following are prices per net ton for carload lots:

	New York Current	New York One Month Ago	New York One Year Ago	Chicago	St. Louis	San Francisco
4 in.	$86.20	$79.30	$57.30	$88.06½	$85.66½	$110.70
6 in. and over	81.20	76.30	54.30	83.06½	80.66½	105.70

Gas pipe and Class "A," $4 per ton extra; 16-ft lengths, No. 1.

CLAY DRAIN TILE—The following prices are per 1000 lin.ft.:

Size, In.	New York Current	New York One Year Ago	St. Louis	Chicago	San Francisco	Dallas
3	$42.50	$35.00	$60.00	$60.00		$60.00
4	60.00	51.00	70.00	60.00	$90.00	62.00
5	85.00	65.00		100.00	115.00	84.00
6	110.00	90.00	125.00	120.00	150.00	110.00
8	175.00	130.00	195.00	180.00	250.00	181.00

SEWER PIPE—The following prices are in cents per foot for carload lots:

Size, In.	New York Current Delivered	New York Year Ago Delivered	St. Louis	Chicago	San Francisco	Dallas
3	$0.24	$0.102	....	$0.15	$0.24	
4	24	.102	....	.15	175	$0.25
5	36	.153	....	.225	21	
6	36	.153	$0.21	.225	.245	.35
8	56	.238	.30	.35	.35	.50
10	84	.357	.42	.525	49	....
12	1.08	.459	.54	.625	63	.90
15	1.61	.612	.806	90	1.05	....
18	2.30	.85	1.054	1.25	1.47	....
20	2.76	1.02	1.426	1.50	1.96	....
22	3.68	1.36	....	2.00	....	....
24	4.14	1.53	1.86	2.25	2.52	....
27	....	2.45	3.00	3.50	3.50	....
30	....	2.664	3.65	4.00	4.20	....
33	....	3.51	4.60	4.75	....	....
36	....	3.9975	4.90	5.50	....	....
	3	5	8	12	24	36
Boston	$1.65	$0.2475	$0.4225	$0.7425	$2.475	$6.875
Minneapolis	....	....	47	.85	2.75	6.16
Denver	Quotations not available					
Seattle	....	....	40	.80	2.88	....
Kansas City	No prices obtainable					
Los Angeles	.0975*	.1525*	.27	.48	.60	....
New Orleans	10 per cent off				18 per cent off	
Cincinnati	53 per cent off					38%
Atlanta	....	....	.33	.56	2.10	....
Montreal	....	....	.55 per cent. off			....
Detroit	49 per cent. off				47 per cent. off	
Baltimore delivered	....	.351	.546	1.053	3.51	....

* 4-in., 6-in., 30-in. respectively

ROAD AND PAVING MATERIALS

ROAD OILS—Following are prices per gallon in tank cars 8000 gal. minimum f.o.b. place named:

	Current	One Year Ago
New York, 45% asphalt (at terminal)	$0.13*	$0.04½
New York, 65% asphalt (" ")	.12*	.06
New York, binder (" ")	.13*	.06½
New York, flux (" ")	.13*	.04½
St. Louis, 40% asphalt	.12*	.04½
Chicago, 40-50% asphalt	.10½	....
Chicago, 60-70% asphalt	.11½	....
Dallas, 40-50% asphalt	.08	.07
Dallas, 60-70% asphalt	.10	.08
Dallas, 75-90% asphalt	.12	.10
San Francisco, binder, per ton	.13	....

ASPHALTUM—Price per ton in packages (350-lb. bbls. or 425-lb. drums), and in bulk in carload lots:

	Package	Bulk
New York (Bayonne, N. J.)	$36.50	$29.00
Boston	42.42	....
Chicago	37.50	33.00
San Francisco	19.00	13.00
Dallas	50.00	45.00
Seattle	27.00	....
Denver	....	50.70
Minneapolis	40.00	34.00
Kansas City	40.00	32.00
St. Louis	36.40	28.90
Baltimore	42.25	....
Los Angeles	21.15	....
Montreal	....	37.00
Detroit	49.00	42.25
Maurer	35.00	32.00
	42.00	41.00

PAVING STONE—

New York	5-in. granite	No quotations	
Chicago	About 4x8x4 dressed	$3.40	sq.yd
	About 4x8x4 common	3.05	sq.yd.
San Francisco	Basalt block 4x7x8	65.00	per M
Kansas City	Granite	3.65	sq.yd.
Boston	5-in. granite	110.00	per M
Atlanta	Granite	2.00	sq.yd.
Detroit	Granite, 26½ blocks per sq. yd.	4.50	sq.yd.
Baltimore	Granite	2.50	sq.yd.
Montreal	Granite	5.90	sq.yd.
New Orleans	Granite	3.00	sq.yd
Cincinnati	Granite	3.25	sq.yd.

FLAGGING—

New York	Bronx	$0.24	sq.ft.
	Manhattan	.25	sq.ft.
	Queens, 5 ft.	.26	sq.ft.
	6x20-in. cross-walk	.95	lin.ft.
Chicago	18 in. wide	.70	lin.ft.

CURBING—Bluestone per lineal foot, in New York, costs 70c. for 5x16 in., 80c. for 5x18 in.

WOOD BLOCK PAVING—

	Size of Block	Treatment	Per Sq.Yd.
New York	3½	16	$4.07
New York	4	16	4.47
Boston	3	16	3.00
Chicago	4	16	3.75@4.00
Chicago	3½	16	3.25@3.50
St. Louis	3½	16	2.90
St. Louis	4	16	3.32
Seattle	4	16	Off market
Kansas City	4	16	3.00
Minneapolis	3½	16	3.42
Atlanta	3½	16	2.30
New Orleans	3	16	2.99
New Orleans	3½	16	3.42
New Orleans	4	16	3.85
Dallas	4	18	4.00
Baltimore	3½	16	3.80
Montreal	4	16	4.60
Detroit	3½	16	3.40

CONSTRUCTION MATERIALS

SAND AND GRAVEL—Price for cargo or carload lots is as follows, per cu.yd.:

	Gravel 1½ In. Current	Gravel 1½ In. One Yr. Ago	Gravel ¾ In. Current	Gravel ¾ In. One Yr. Ago	Sand Current	Sand One Yr. Ago
New York	$3.00	$2.00	$3.00	$2.00	$1.50	$1.25
Denver	2.00	1.00	1.80	1.60	1.00	1.25
Chicago	2.75	1.35	2.75	1.35	2.75	1.35
Kansas City	3.25	2.50	3.75	3.00	1.25†	1.00
St. Louis	1.60	1.78	1.65	1.82	1.65*	1.68
Seattle, per ton	1.25	1.20	1.25	1.25	1.25	1.05
Dallas	2.50	3.00	2.50	3.00	2.00	2.50
Minneapolis	2.25	1.25	....	1.35	.75	.60
Cincinnati	....	....	1.50	....	1.45	1.35‡
San Francisco	1.50	1.15	1.50	1.15	1.50	1.00
Boston	3.50	1.60‡	3.00	1.65‡	2.75	....
New Orleans	3.60	2.40	....	2.40	1.85	1.20
Los Angeles	1.25	1.02	1.25	1.02	1.15	.70
Atlanta, per ton	....	2.00	....	....	2.75	1.10
Detroit	2.25*	1.90	2.25*	1.90	2.00*	1.80
Baltimore	1.40‡	1.54	1.60‡	1.60	.70	.65
Montreal, per ton	1.45*	1.20	....	....	1.30‡	1.10

* Fine white sand, Pacific and Ottawa, per ton $6.
† Kaw River sand is $1.75 per yd. ‡ per ton.

CRUSHED STONE—Price for cargo or carload lots is as follows, per cu.yd.

	1½ In.		¾ In.	
	Current	One Year Ago	Current	One Year Ago
New York	$1.90@2.00	$1.65@1.75	$2.15	$1.75@1.85
Chicago	2.75	1.30	2.75	1.30
St. Louis	2.00	1.50	2.00	1.50
Dallas	3.50	2.90	3.50	2.80
San Francisco	1.50	1.50	1.50	1.50
Boston	3.00*(del)	2.75	3.00 (del)	2.75
Minneapolis	2.25†	1.15	2.50†	1.25
Denver				1.60
Kansas City	2.35	2.00	2.35	2.10
Seattle (Del.)	3.50	1.50	3.50	1.50
Cincinnati			1.65	
Los Angeles	1.60*	1.20	1.70*	1.12
Detroit	1.75	2.00	1.75*	2.00
Baltimore	1.80*	1.25	2.20*	1.50
Montreal	2.35*	1.90	2.80*	2.15

* Per ton. † Limestone; traprock, $1.60 and $1.80 per ton for 1½ and ¾-in.

CRUSHED SLAG—Price of crushed slag per net ton in carload lots.

	1½-In.	¾-In.	Roofing	Sand
Lebanon or Bethlehem, Pa.	$1.00	$1.00	$2.50	$0.90
Easton, Pa.	1.20	1.20	3.00	1.10
Buffalo, N. Y.	1.25	1.00	2.00	1.00
East Canaan, Conn.	1.25	1.35	3.50	1.10
Birmingham, Ala.	1.25	1.25	2.05	1.00
Toledo, Ohio	1.50	1.50		

LIME—Warehouse prices:

	Hydrated per Ton		Lump per 200-Lb. Barrel	
	Finished	Common	Finished	Common
New York	$21.00	$20.00	$3.80*-at plant	$3.60*
Kansas City	27.20	26.20	2.50	2.40
Chicago				1.65
St. Louis	25.00	21.00		2.50
Boston	27.50	25.25	3.70†	3.40†
Dallas		25.00		2.50†
Cincinnati	17.20	16.20		13.20‡
San Francisco	25.40	22.00		2.25
Minneapolis	29.50	23.00	2.00†	1.85
Denver	32.00		1.05 (bu.)	
Detroit	20.00	18.00	1.80†	1.60†
Seattle	30.00		2.85†	
Los Angeles	2.75†	2.20†	2.75†	2.00†
Baltimore	23.50 (East)			12.83‡
Montreal	25.00	25.00	15.00‡	15.00‡
Atlanta	28.00	23.50	2.80†	2.80†
New Orleans	24.50	24.50	2.85	2.85

* 300-lb. barrels. †Per 180-lb. barrel. ‡ Per ton.

NOTE—Refund of 10c. per barrel with 25c per ton off on hydrated.

NATURAL CEMENT—Price to dealers for 500 bbl. or over, f. o. b., exclusive of bags:

	Current	One Year Ago
Minneapolis (Rosendale)	$3.00	$1.45
Kansas City (Ft. Scott)	1.60	1.40
New Orleans	3.36	2.52
Atlanta (Magnolia)	1.90	1.85
Cincinnati (Louisville)	2.85	1.35
Boston (Rosedale)	2.35	

PORTLAND CEMENT—Current prices are for barrels in carload lots, *without* bags, to contractors:

	Current Without Bags	One Month Ago Without Bags	One Year Ago Without Bags
New York (del.)	$4.10	$4.25	$2.30
Jersey City (del.)	4.39	4.25	2.27
Boston	3.32	3.32	2.42
Chicago	2.35	2.15	2.00
Pittsburgh	2.42	2.20	2.05
Cleveland	2.73	2.42	2.32
Detroit	2.71	3.00	2.08
Indianapolis	2.57	2.42	2.27
Toledo	2.71	2.28	2.12
Milwaukee	2.59	2.20	2.11
Duluth	2.35	2.20	2.10
Peoria	2.63	2.32	2.12
Cedar Rapids	2.71	2.40	2.18
Davenport	2.67	2.36	2.14
St. Louis	3.00	2.89	2.20
San Francisco	3.09	2.88	2.43
New Orleans	5.00	3.52	2.36
Minneapolis	3.42	3.30	2.20
Denver	3.25	3.80	2.67
Kansas City	2.76	2.76	2.26
Seattle	3.12	3.03	2.53
Dallas	2.92	2.92	2.03
Atlanta	4.90	2.70	2.50
Cincinnati	2.85	2.85	2.90
Los Angeles	3.10	3.10	2.78
Baltimore (del)	3.59	4.5[illegible]	
Montreal (including bags)	3.00	3.00	
Detroit	3.50	5.00	

NOTE—Bag charge is generally 25c. each.

TRIANGLE MESH—Price per 100 sq.ft. in carload lots.

PLAIN 4-INCH by 4-INCH MESH

Style Number	Sectional Area Square Inches per Ft. Width	Pittsburgh	New York*	Chicago†	St. Louis	Dallas	San Francisco
032	0.032	$1.24	$1.55	$0.98	$0.99	$1.13	$1.32
049	0.049	1.56	1.95	1.26	1.26	1.43	1.67
068	0.068	1.88	2.35	1.53	1.56	1.79	2.06
093	0.093	2.38	2.98	1.97	2.00	2.41	2.65
126	0.126	2.93	3.67	2.43	2.47	2.92	3.28
153	0.153	3.47	4.34	2.90	2.95	3.48	3.93
180	0.180	3.97	4.97	3.33	3.39	3.99	.....
245	0.245	5.21	6.52	4.40	4.47	5.27	.....
287	0.287	6.00	7.50	5.08	5.16	6.10	6.86
336	0.336	6.93	8.67	5.89	5.99	7.06	.....
395	0.395	8.02	10.03	6.83	6.94	8.19	.....
PAVING							
036P	0.036	$0.98	$1.23	$0.76	$1.77	$0.80	.....
053P	0.053	1.34	1.68	1.06	1.08	1.12	.....
072P	0.072	1.66	2.08	1.34	1.37	1.46	.....
097P	0.097	2.11	1.76	1.73	1.76	1.88	.....
049R	0.049	1.34	2.08	1.06	1.08	1.12	.....
067R	0.067	1.66	2.64	1.34	1.37	1.46	.....
089R	0.089	2.11		1.73	1.76	1.88	.....

Made in 10-, 20-, 24-, 28-, 32-, 36-, 40-, 44-, 48-, 52- and 56-in. width in rolls 150-, 200- and 300-ft. lengths. Galvanized is about 10% higher.

Note—Triangle mesh again available in New York. Chicago New prices will be given next month.

EXPANDED METAL LATH—Prices in carload lots per 100 yd. for painted are as follows:

Gage	Weight	New York‡ Current Carloads	New York‡ Less Carloads	Chicago	St. Louis	San Francisco	Dallas
27	233	$32.10	$32.20*	$33.60†	$35.00	$36.00	$32.75
26	250	33.45	33.65*	35.20†	36.00		34.50
25	300	34.90	35.00*	36.90†		39.00	36.75
24	340	36.50	36.65*	40.00†	39.00	44.00	39.25
22	450	39.60	39.80*	45.10†	.....	.....	43.30

* Delivered on job.
‡Galvanized is $8 per 100 yd., additional.
***Note—Metal lath again available in New York.**

BARS, CONCRETE REINFORCING—Following quotations are per 100 lb.

ROLLED FROM BILLETS

	Mill	New York Current	Warehouse, Uncut			
In.	Pittsburgh		Chicago	Dallas	St. Louis	San Francisco
¾ and larger	$2.35@$3.75	[$3.63@$5.00	$3.48@$3.87	$3.87	$4.75	$5.30
⅝	2.40@3.75	3.68@5.00	3.53@3.92	3.92	4.80	5.35
½	2.45@3.75	3.73@5.00	3.58@3.97	3.97	4.95	5.40
⅜	2.60@3.75	3.88@5.00	3.63@4.12	4.12	5.00	5.55
¼	2.85@3.75	4.13@5.00	4.18@4.57	4.57	5.05	5.80

Twisted bars cut to length take extra of 27½c. per 100 lb.

ROLLED FROM RAILS

	Chicago	St. Louis	Dallas		Chicago	St. Louis	Dallas
¾ in. and larger	$4.00	$4.00	$4.25	⅝	$4.25	$4.25	
⅝	4.05	4.05	4.30	¼			
½	4.10	4.10	.....				

BRICK—To contractors price per 1000 in cargo or carload lots is as follows:

	Common Current	Common One Month Ago	Common One Year Ago	Paving 3-inch	Paving Block 4-inch
New York (del)	$22.70	$30.75	.....	$56.80*	$62.80*
New Orleans	25.50	25.00	$19.00		
Chicago	15.00	16.00	12.00	39.51	
St. Louis, salmon	17.00†	16.00	12.00		37.00
Denver	15.00	17.00	14.00	.....	.....
Dallas	22.07	22.07	18.57	.....	.....
San Francisco	18.00	18.00	12.50	.....	44.38
Los Angeles	13.50	13.50	12.50		
Boston	30.00	30.00	18.00	58.60	65.20
Minneapolis (del.)	24@26	24.00	14.50	.....	.....
Kansas City	22.00	22.00	14.00	.....	.....
Seattle	19.00	15.00	15.00	48.00	53.50
Cincinnati	24.00	24.00	17.00	.....	.....
Montreal (del.)	20.00	16.00	15.00	.....	.....
Detroit	22.00	23.00	17.25	40.00	48.00
Baltimore (del.)	20.00–25.00	22.50	18.00	.....	44.00‡
Atlanta	24.00	.....	.....	.....	.....

*For paving blocks 3½x8½x3 and 3½x8½x4 respectively. †Hard brick $20.50 in St. Louis. ‡Vitrified, f. o. b. plant, Baltimore.

HOLLOW TILE—Price per block in carload lots for hollow building tile:

	New York Current on Trucks	New York One Year Ago	Chicago	St. Louis	San Francisco	Factory Perth Amboy N. J.,
4x12x12	$0.2444*	$0.11475	$0.1516	None	$.145	
6x12x12	3259*	.153	.2274	"	.21	
8x12x12	4345*	.204	.2728	"	.29	.4358
10x12x12	.....	.....	.3411	"	.....	.5447
12x12x12	.....	.....	.4093	"	.....	.6537

*Partition title. Less 5% for cash, 15 days.

	4x12x12	8x12x12	12x12x12
Boston	$0.195	$0.372	$0.496
Minneapolis	.1192	.2086	.3278
Cincinnati	125	2186	.3286
Kansas City	No prices obtainable		
Denver	Quotations withdrawn		
Seattle	.13	.175	.30
Los Angeles	.10	.175	.30
New Orleans	.30	.40	.60
Detroit	17 per cent. off list		
Montreal	.22	.30	.36
Baltimore	.2726	.486	.62

STRUCTURAL MATERIAL—Following are base prices f.o.b. mill, Pittsburgh, together with quotations per 100 lb. from warehouses at places named:

	Mill Pittsburgh	New York Current	New York 1 Yr. Ago	St. Louis	Chicago	San Francisco
Beams, 3 to 15 in.	$2.45@$3.10	$4.58	$3.47	$4.04	$3.97	$6.00
Channels, 3 to 15 in.	2.45@ 3.10	4.58	3.47	4.04	3.97	6.00
Angles, 3 to 6 in., ¼ in. thick	2.45@ 3.10	4.58	3.47	4.04	3.97	6.00
Tees, 3 in. and larger	2.45@ 3.75	4.63	3.52	4.09	4.02	6.00
Plates	2.65@ 4.00	4.78	3.67	4.24	4.17	6.30

RIVETS—The following quotations are per 100 lb.:

STRUCTURAL

	Mill Pittsburgh	New York Current	New York One Yr. Ago	Warehouse Chicago	Warehouse St. Louis	Warehouse San Francisco	Warehouse Dallas
½ in. and larger	$4.50	$6.00	$4.72	$5.73	$5.69	$7.05	$7.50

CONE HEAD BOILER

½ in. and larger	4.60	7.10	4.82	5.83	5.79	7.15	7.50
⅝ and ¾	4.75	7.25	4.97	5.98	5.94	7.40	7.50
⅞ and 1	5.00	7.50	5.32	6.33	6.19	7.65	7.75

Lengths shorter than 1 in. take an extra of 50c. Lengths between 1 in. and 2 in. take an extra of 25c.

NAILS—The following quotations are per keg from warehouse:

	Mill Pittsburgh	New York	Chicago	San Francisco	Dallas	Montreal
Wire	$4.25	$8.50	$4.45	$6.45	$6.90	$4.95
Cut		10.00	6.00@8.00	8.95	6.40	5.00

PREPARED ROOFINGS—Standard grade rubbered surface, complete with nails and cement, costs per square as follows at maufacturing points:

	New York 1-Ply c.l.	New York 2-Ply l.c.l.	New York 3 Ply c.l.	Philadelphia 1-Ply c.l.	Philadelphia 2-Ply l.c.l.	Philadelphia 3-Ply c.l.
No. 1 grade	$2.50	$3.00	$3.55	$2.40	$2.90	$3.45
No. 2 grade	2.25	2.70	3.20	2.15	2.60	3.10

Slate-surfaced roofing (red and green) in rolls of 108 sq.ft. costs **$4.50** per roll in carload lots and **$4.75** for smaller quantities.

Shingles, red and green slate finish, cost **$10.00** per square in carloads; **$10.25** in smaller quantities, in Philadelphia.

ROOFING MATERIALS—Prices per ton f.o.b. New York and Chicago:

Tar felt (14 lb. per square of 100 sq.ft.) per roll	$3.55
Tar pitch (in 400-lb. bbl.) per 100 lb	2.25
Asphalt pitch (in barrels) per ton	56.50
Asphalt felt (light) per ton	132.00
Asphalt felt (heavy) per ton	138.00

SHEETS—Quotations are in cents per pound in various cities from warehouse also the base quotations from mill:

Blue Annealed	Large Mill Lots Pittsburgh	St. Louis	Chicago	San Francisco	New York Current	New York One Yr. Ago
No. 10	$3.55@$7.50	$7.09	$7.13	$8.65	$7.23@$8.00	$4.57
No. 12	3.60@ 7.55	7.09	7.18	8.70	7.28@ 8.05	4.62
No. 14	3.65@ 7.60	7.09	7.23	8.75	7.33@ 8.10	4.67
No. 16	3.75@ 7.70	7.09	7.28	8.85	7.43@ 8.20	4.77
Black						
*Nos. 18 and 20	4.15@ 8.30	8.10	7.90	10.60	8.41@ 9.80	5.30
*Nos. 22 and 24	4.20@ 8.35	8.10	7.95	10.65	8.46@ 9.85	5.35
*No. 26	4.25@ 8.40	8.10	8.00	10.70	8.51@ 9.90	5.40
*No. 28	4.35@ 8.50	8.10	8.10	10.80	8.61@10.00	5.50
Galvanized						
No. 10	4.70@ 8.50	9.60	8.60	....	8.91@11.50	6.20
No. 12	4.80@ 8.60	9.60	8.70	11.35	9.01@11.50	6.25
No. 14	4.80@ 8.60	9.60	8.70	11.35	9.01@11.50	6.30
Nos. 18 and 20	5.10@ 8.90	9.60	9.10	11.65	9.26@11.90	6.60
Nos. 22 and 24	5.25@ 9.05	9.60	9.15	11.80	9.41@12.05	6.75
*No. 26	5.40@ 9.20	9.60	9.30	11.95	9.56@12.20	6.90
*No. 28	5.70@ 9.50	9.60	9.60	12.25	9.86@12.50	7.20

*For painted corrugated sheets add 30c. per 1000 lb. for 5 to 28 gage; 25c. for 19 to 24 gages; for galvanized corrugated sheets add 15c., all gages.

LINSEED OIL—These prices are per gallon:

	New York Current	New York One Year Ago	Chicago Current	Chicago One Year Ago
Raw in barrel (5 bbl.)	$1.25	$2.15	$1.40	$2.37
5-gal. cans	1.40*	2.28	1.65	2.57

*To this price must be added the cost of the cans (returnable), $2.25 for case of six

WHITE AND RED LEAD—Base price per pound:

	Red Current Dry	Red Current In Oil	Red 1 Year Ago Dry	Red 1 Year Ago In Oil	White Current Dry and In Oil	White 1 Yr. Ago Dry and In Oil
100-lb. keg	15.50	17.00	13.00	14.50	15.50	13.00
25 and 50-lb. kegs	15.75	17.25	13.25	14.75	15.75	13.25
12½-lb. keg	16.00	17.50	13.50	15.00	16.00	13.50
5-lb. cans	18.50	20.00	15.00	16.50	18.50	15.00
1-lb. cans	20.50	22.00	16.00	17.50	20.50	16.00

500 lb. lots less 10% discount; 2000 lb. lots less 10-2½% discount.

LUMBER

San Francisco—Prices of rough Douglas fir No. 1 common, in more than carload lots:

Lumber Prices in Yards at San Francisco

	6-8-12 and 14 Ft.	10-16-18 and 20 Ft.	22 and 24 Ft.	25 to 32 Ft.
3x3 and 4	$36.50	$37.00	$38.00	$40.00
3x6 and 8	37.50	38.00	39.00	41.00
4x4-6 and 8	38.00	39.00	40.00	42.00
3x10 and 12	38.00	39.00	40.00	42.00
3x14	38.50	39.50	40.50	42.50
4x10 and 12	38.00	39.00	40.00	42.00
4x14	39.00	40.00	41.00	43.00

	24 Ft. and Under	25 to 32 Ft.	33 to 40 Ft.
6x10	$37.50	$39.50	$40.50
6x14	39.00	41.00	41.50
8x10	37.50	39.50	40.50
8x14	39.00	41.00	41.50

New York, Chicago and St. Louis

	Southern Pine New York* 20 Ft. and Under	Southern Pine New York* 22-24 Ft. and Under	Southern Pine Chicago 20 Ft. and Under	Southern Pine Chicago 22-24 Ft. and Under	Yellow Pine St. Louis 20 Ft. and Under	Yellow Pine St. Louis 22-24 Ft.
3x 4 to 8x8	$55.00	$56.00	$68.00	$69.00	45.25@47.46	50@48.75
3x10 to 10x10	60.00	61.00	70.00	71.00	49.25	50.50
3x12 to 12x12	66.00	67.00	72.00	73.00	53.75	55.00
3x14 to 14x14	71.00	72.00	75.00	76.00	62.25	63.50
3x16 to 16x16	78.00	79.00	80.00	81.00	68.50	69.50
3x18 to 18x18	90.00	91.00	85.00	86.00	.....	.....
4x20 to 20x20	95.00	96.00	90.00	91.00	.....	.....

*Prices from Lumbermen's Bureau. New prices on Sept. 15.

Over 24 ft.—Add $1 for each additional 2 ft. in length up to 40 ft. for sizes 12 x 12 and under, for sizes over 12 x 12 add $2. for merchantable add $2 to sizes 10 x 10 and under. For prime add $2 to the price of merchantable for all sizes.

Other Cities

	8 x 8-In. x 20-Ft. and Under P.	8 x 8-In. x 20-Ft. and Under Fir	8 x 8-In. x 20-Ft. and Under Hemlock	8 x 8-In. x 20-Ft. and Under Spruce	12 x 12-In. 20 Ft. and Under P.	12 x 12-In. 20 Ft. and Under Fir
Boston	$73.00	$70.00	.....	$65.00	$85.00	$75.00
Kansas City	51.00	51.25	$51.25	51.25	60.00	51.25
Seattle	.....	*32.00*	.....	.....	.....	*32.00*
New Orleans	49.00	.....	.....	.....	*48.00*	.....
Baltimore	*70.00*	.....	.....	.....	*80.00*	.....
Cincinnati	45.00	50.00	50.00	.....	55.00	55.00
Montreal	87.00	87.00	70.00	85.00	79.00	110.00
Los Angeles†	.....	57.00	.....	.....	.....	59.00
Detroit	67.00	.....	.....	.....	79.00	79.00
Denver	.....	44.75	.....	.....	.....	44.75
Minneapolis	.....	48.00	54.00	.....	.....	48.00

	1-In. Rough, 10 In. x 16 Ft. and Under P.	1-In. Rough, 10 In. x 16 Ft. and Under Fir	1-In. Rough, 10 In. x 16 Ft. and Under Hemlock	2-In. T. and Gr. 10 In. x 16 Ft. P.	2-In. T. and Gr. 10 In. x 16 Ft. Fir
Boston	$110.00	.....	$52.00	$105.00	$85.00
Kansas City	102.00	105.50	106.50	113.00	112.75
Seattle	.....	37.50	.....	.....	38.50
New Orleans	72.00	.....	.....	50.00	.....
Baltimore	*56@60*	.....	.....	64@67	.....
Cincinnati	50.00	55.00	50.00	45.00	50.00
Montreal	80.00	80.00	70.00	85.00	85.00
Los Angeles	.....	58.00	.....	.....	.....
Detroit	50.00	.....	49.00	44.00	.....
Denver	.....	*39.75*	.....	.....	40.25
Minneapolis	.....	46.50	50.25	.....	43.00

* Montreal—Up to 32 ft.; over which, $3.00 per M. increase up to 30 ft.

† Base price, 2 x 3's and 2 x 4's, 8 to 14 ft., is $54.00

Detroit—4 x 4 x 12, fir D, $50; rough fir, $53; 2 x 6 x 6, hemlock D sides, $50 2 x 12 x 18, rough fir, $52.50; 2 x 12 x 12, rough fir, $52; 2 x 4 x 16 fir D, $50

FREIGHT RATES

On finished steel products in the Pittsburgh district, including plates, structural shapes, merchant steel, bars, pipe fittings, plain and galvanized wire nails, rivets, spikes, bolts, flat sheets (except planished), chains, etc., the following freight rates are effective in cents per 100 lb., in carloads of 36,000 lb:

Boston	$0.41½	New Orleans	$0.57½
Buffalo	.29½	New York	.38
Chicago	.38	Pacific Coast (all rail)	1.66½†
Cincinnati	.33	Philadelphia	.35
Cleveland	.24	St. Louis	.47½
Denver	1.35*	St. Paul	.69½
Kansas City	.81½	Detroit	.33
		Baltimore	.33½

Note—Add 3% transportation tax. * Minimum carload, 40,000 lb.
† Minimum carload, 50,000 lb, structural steel only.

CONTRACTORS' SUPPLIES

STEEL SHEET PILING—The following price is base per 100 lb. f. o. b. Pittsburgh, with a comparison of a month and a year ago:

Current	One Month Ago	One Year Ago
$4.00@5.00	$2.55@3.65	$2.25

WIRE ROPE—Discounts from list price on regular grades of bright and galvanized are as follows:

	New York
Hercules red strand, all constructions	20%
Patent flattened strand, special and cast steel	20%
Patent flattened strand, iron rope	5%
Plow steel round strand rope	30%
Special steel round strand rope	30%
Cast steel round strand rope	22½%
Iron strand and iron tiller	5%
Galvanized iron rigging and guy rope	+12%

San Francisco: Galvanized Iron Rigging and Guy Ropes, +17½%; Bright plow, 25% off.

Chicago, + 10 on galvanized, 22½ — 2½ off on bright.

Western and California territory, 20% plow steel; 22½% galvanized iron rigging and guy rope.

Montana, Idaho and Arizona, 15% plow steel; 27½% galvanized iron rigging and guy rope.

MANILA ROPE—For rope smaller than ½-in. the price is ½ to 2c. extra; while for quantities amounting to less than 600 ft. there is an extra charge of 1c. The number of feet per pound for the various sizes is as follows: ½-in., 8 ft., ⅝-in., 6; ¾-in., 4½; 1-in., 3½; 1¼-in., 2 ft. 10 in.; 1½-in., 2 ft. 4 in. Following is price per pound for ½-in. and larger, in 1200-ft. coils:

Boston	$0.32½	Kansas City	$0.30½
New York	.29	New Orleans	0.28½
Chicago	.27½	Los Angeles	.31
Minneapolis	.29½	Seattle	.28
San Francisco	.27	St. Louis	.26½
Atlanta	.35	Montreal	.35½
Denver	.30	Detroit	.26
Cincinnati	.35	Baltimore	.27½

EXPLOSIVES—Price per pound of dynamite in small lots and price per 25 lb keg for black powder.

	Low Freezing 20%	Gelatin 40%	Gelatin 60%	Gelatin 80%	Black Powder
New York		$0.33½	$0.36½		$2.30
Boston		.28	.31	$.34	
Kansas City	.2475	.27	.30	.34	2.40
Seattle	.18	.20½	.22½	.29½	2.60
Chicago	.2175	.2525	.2975	.34	2.45
Minneapolis	.2272	.2629	.2935		2.90
St. Louis	.25	.285	.315	35.75	2.60
Denver	.2250	.26	.29	.3325	2.80
Dallas	.265*	275	3025		2.60
Los Angeles	.22	.27	31		2.95
Atlanta	.2575	.2925	.3225	.3650	2.55
Baltimore	.2525	2875	3175	36	2.10
Cincinnati	2275	2525	2725		2.30
Montreal	30	32	37	38	4.10
New Orleans	.2650	.295	.325	.3925	2.90

* 30 Per Cent.

POLES — For spruce and plain pine poles, delivered New York, the price is as follows:

Spruce 10-in. butts, 5-in. tops, length 20-30 ft	$8.50
Spruce 12-in. butts, 6-in. tops, length 30-40 ft	10.50
Fine 12-in. butts, 6-in. tops, length 41-50 ft	13.75
Fine 14-in. butts, 6-in. tops, length 51-60 ft	22.50
Fine 14-in. butts, 6-in. tops, length 61-71 ft	25.25

	Dallas
6-in. x 20-ft	$4.60
6-in. x 30-ft	7.10
8-in. x 30-ft	8.45
8-in. x 35-ft	10.38

OLD MATERIAL—The prices following are per gross ton paid to dealers and producers in New York. In Chicago and St. Louis the quotations are per net ton and cover delivery at the buyer's works, including freight transfer charges.

	New York	Chicago	St. Louis
No. 1 railroad wrought	$27.50	$23.35	$22.50
Stove plate	24.50	27.60	24.00
No. 1 machinery cast	39.00	33.75	38.50
Machine shop turnings	14.50	9.50	10.50
Cast borings	18.50	13.35	12.50
Railroad malleable cast	25.50	27.00	22.50
Re-rolling rails	35.50	36.50@37.50	35.00
Relaying rails	55.00	57.50@62.50	45@50

SHIP SPIKES—Current prices per 100 lb.

	San Francisco		Seattle
In.	Galv.	Black	Black
½	$9.20	$8.50	$8.55
⅝	8.75	6.75	8.25
¾	8.60	6.60	8.30

Pittsburgh base, $4.40@$4.75 per 100 lb.

LABOR RATES AND CONDITIONS THROUGHOUT THE COUNTRY

S means scarce; E, enough; P, plentiful

Cities	Brick-layers	Car-penters	Hoisting Engineers	Hod Carriers	Pile Drivers	Structural Iron Workers	Common Labor	Remarks
Atlanta	$1.25S	$0.85P	1.25	.50	0.60-.65	$1.00E	$0.35S	Atlanta—Nearly normal.
Baltimore	1.00E	.80-90E	.87½E	.46-.54E	.74E	1.00E	.35-.45E	Baltimore—Satisfactory supply of labor.
Boston	1.10P	1.00P	1.15@1.25P	.75P	1.25P	1.15@1.25P	.67½@70P	Boston—Labor supply sufficient.
Cincinnati	1.25S	.90E	.75E	.70E		.87½E	.60S	Cincinnati—Common labor scarce.
Chicago	1.25	1.25				1.25	1.00	Chicago—Labor plentiful but independent. Contractors report increased efficiency.
Cleveland	1.00S	.90S	1.00E	.57½E	.80E	1.00E	.57½E	
Dallas	1.25S	1.00P	1.00E	.60E	1.00E	1.25S	.50@1.00P	Dallas—Common labor very scarce.
Denver	1.25E	1.16½E	1.16½@1.18½E	.75@81½E		1.15½E	.50@56.½	Denver—Common labor scarce even at $5.
Detroit	1.25P	85@1.00P	1.10P	.70E	1.10P	1.25E	.65E	Detroit—Men released from shops are in some cases returning to construction work.
Kansas City	1.12½	1.00	1.00	.90	1.00	1.10	.75	
Los Angeles	1.25P	.87½P	.87½P	1.00P	.87½P	.87½P	.56½-.62½E	Los Angeles—Rates shown are union; non-union a little less; but union scale prevails generally.
Minneapolis	1.25	1.00P	1.00	.75		1.00	.60	Minneapolis—Conditions normal. Plasterers now receive $1.12½@$1.25.
Montreal	1.00	.80-.85S	.65S	.50@.60S	.50	.50-.65	.47½-.55S	Montreal—Harvesting in West taking many men from common labor ranks.
New Orleans	1.00E	.95E	1.00E	.50@.60E	1.00E	1.00E	.40S	New Orleans—Building trade stagnant, owing to high cost of labor and materials.
New York	1.25	1.12½	1.25	.87½	1.12½	1.12½	.75-.80	New York—Agreement of Nov. 20, 1919, was modified as shown, effective May 1, 1920. Excavators, 75c.; Concrete workers, 81½c.
Pittsburgh	1.50P	1.25P	1.12½P	1.00P	1.00P	1.25S	.80E	Pittsburgh—Conditions normal.
St. Louis	1.25E	1.25E	1.25E	.85E	1.00P	1.25E	.52-.75E	St. Louis—Hoisting engines receive $1.37½ on double hoist. Plaster hodcarriers receive 94½c.
San Francisco	1.25E	1.12½E	1.12½E	1.00E	1.12½E	1.12½E	.81½E	San Francisco—Sufficient labor of the trades shown, but there is a scarcity of concrete workers.
Seattle	1.25	1.00	1@1.12	.87½	1.00	1.00	.75E	Seattle—Not much building construction in prospect.

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Oct. 11	Allentown, Pa.	Sept. 16
Oct. 14	Sacramento, Cal.	Sept. 16
Oct. 15	Sidney, Neb.	Oct. 7
Oct. 18	Nokomis, Ill. Adv. Sept. 30 and Oct. 7.	Sept. 30
Oct. 25	Ventnor City, N. J. Adv. Oct. 7.	Oct. 7
Oct. 28	Newark, N. J. Adv. Oct. 7.	Oct. 7

SEWERS

Oct. 11	Cleveland, O.	Sept. 23
Oct. 13	Ossining, N. Y.	Sept. 23
Oct. 13	Phillipsburg, N. J. Adv. Oct. 7.	Oct. 7
Oct. 15	Phila., Pa.	Oct. 7
Oct. 19	Wichita, Kan.	Sept. 30
Oct. 19	Ada, Okla.	Oct. 7
Oct. 19	Jersey City, N. J. Adv. Oct. 7.	Oct. 7
Oct. 20	Middletown, N. Y.	Oct. 7
Oct. 30	Yorkville, O.	Sept. 23

BRIDGES

Oct. 11	Harlan, Ky. Adv. Oct. 7.	Oct. 7
Oct. 12	Maryland Adv. Sept. 30 and Oct. 7.	Sept. 30
Oct. 12	North Carolina	Oct. 7
Oct. 19	Alabama Adv. Sept. 23 to Oct. 7.	Sept. 23
Oct. 21	Chicago, Ill.	Sept. 30
Oct. 22	Detroit, Mich.	Sept. 23
Oct. 25	Missouri	Oct. 7

STREETS AND ROADS

Oct. 9	Pittsburgh, Pa.	Oct. 7
Oct. 11	Indiana	Oct. 7
Oct. 11	Colorado	Sept. 30
Oct. 11	Throop (Olyphant P. O.), Pa.	Oct. 7
Oct. 11	Wisconsin	Oct. 7
Oct. 12	Maryland Adv. Sept. 30 and Oct. 7.	Sept. 30
Oct. 12	North Carolina	Oct. 7
Oct. 13	West Orange, N. J.	Sept. 30
Oct. 13	Brooklyn, N. Y.	Oct. 7
Oct. 13	Pennsylvania Adv. Sept. 23 to Oct. 7.	Sept. 23
Oct. 13	Missouri	Sept. 30
Oct. 13	Clarksville, Tex.	Oct. 7
Oct. 13	Clayton, Mo.	Oct. 7
Oct. 14	Arizona	Sept. 30
Oct. 14	Middlesex (Sayreville P. O.), N. J. Adv. Sept. 30 and Oct. 7.	Sept. 30
Oct. 14	New Mexico Adv. Sept. 30 and Oct. 7.	Sept. 30
Oct. 14	Ft. Wayne Ind.	Oct. 7
Oct. 15	Missouri	Sept. 30
Oct. 15	Indiana	Oct. 7
Oct. 15	Lake City, Mich.	Oct. 7
Oct. 18	Freehold N. J. Adv. Sept. 30 and Oct. 7.	Oct. 7
Oct. 19	Shakopee, Minn.	Sept. 23
Oct. 19	Granite Falls, Minn.	Oct. 7
Oct. 22	Missouri	Sept. 30
Oct. 22	Jacksonville, Fla.	Sept. 30
Oct. 22	Detroit, Mich.	Oct. 7
Oct. 25	Missouri	Oct. 7
Oct. 26	Ft. Wayne, Ind.	Oct. 7
Oct. 27	Indiana	Oct. 7
Oct. 27	Delaware Adv. Oct. 7.	Oct. 7
Oct. 28	Siloam Springs, Ark.	Sept. 30
Oct. 30	Indiana	Oct. 7

EXCAVATION AND DREDGING

Oct. 12	Nevada, Ia.	Sept. 30
Oct. 14	Atlantic, Ia.	Sept. 30
Oct. 14	Nevada Ia.	Oct. 7
Oct. 15	Red Oak, Ia.	Oct. 7
Oct. 16	Watseka, Ill.	Oct. 7
Nov. 1	Tampa, Fla. Adv. Oct. 7.	Oct. 7

INDUSTRIAL WORKS

Oct. 11	Camp Douglas, Wis.	Sept. 30
Oct. 15	London, Ont.	Sept. 23
Oct. 15	Tilbury, Ont.	Sept. 23
Oct. 18	Jackson, Wis.	Oct. 7
Oct. 19	Hartford, Conn.	Oct. 7
Nov. 1	Webb City, Mo.	Sept. 16

BUILDINGS

Oct. 10	Fairport, O.	Oct. 7
Oct. 11	Providence R. I.	Oct. 7
Oct. 11	Baltimore, Md.	Oct. 7
Oct. 12	Huron, S. D.	Sept. 2
Oct. 12	Marysville O.	Sept. 30
Oct. 13	New Bedford, Mass.	Sept. 30
Oct. 14	Minneapolis, Minn.	Oct. 7
Oct. 15	Presho, S. D.	Sept. 30
Oct. 15	Canton, O.	Sept. 30
Nov. 15	Enid, Okla.	Sept. 30
Nov. 15	Dallas, Tex.	Sept. 23
Oct. 16	Atlanta, Ga.	Oct. 7
Oct. 18	Elyria, O.	Oct. 7
Oct. 18	New York, N. Y.	Oct. 7
Oct. 20	Cleveland Height (Warrensville P. O.) O.	Oct. 7
Oct. 21	Chambersburg Pa. Adv. Sept. 30 and Oct. 7.	Oct. 7
Oct. 21	Baltimore, Md.	Oct. 7
Oct. 25	Scranton, Pa.	Oct. 7
Oct. 27	Tenafly, N. J. Adv. Oct. 7.	Oct. 7
Oct. 27	Ft. Dodge, Pa.	Oct. 7

FEDERAL GOVERNMENT WORK

Oct. 11	Conduit, Dam, etc.—Norfolk, Va.	Sept. 16
Oct. 11	Dredging — Providence, R. I. Adv. Sept. 16 to Oct. 7.	Sept. 16
Oct. 11	Steel Barges — Memphis, Tenn. Adv. Sept. 16 to Oct. 7.	Sept. 16
Oct. 13	Hospital Buildings—Spec. 4300—San Diego, Cal. Adv. Sept 30 and Oct. 7.	Sept. 16
Oct. 13	Seaplane Runway — Spec. 4267 — Hampton Roads, Va.	Sept. 30
Oct. 14	Dump Scows—Phila., Pa. Adv. Sept. 16 to Oct. 7.	Sept. 16
Oct. 14	Steel Buoys — Tompkinsville, N. Y.	Sept. 30
Oct. 15	Office and Laboratory — Spec. 4301—Wash., D. C. Adv. Sept. 30 and Oct. 7.	Sept. 30
Oct. 15	Scotch Marine Boilers, etc. —Jacksonville, Fla. Adv. Sept. 23 to Oct. 7.	Sept. 23
Oct. 19	Water Piping—Wheeling, W. Va.	Oct. 7
Oct. 20	Concrete Pavement, etc.— Spec. 4257—Ft. Lyon Col.	Sept. 30
Oct. 20	Mine Storage Buildings — Spec. 4253—New Orleans, La. Adv. Sept. 30 and Oct. 7.	Sept. 30
Oct. 20	Lighting, Wiring, etc. — Wheeling, W. Va.	Oct. 7
Oct. 20	Remodeling Post Office — Lansing, Mich.	Oct. 7
Oct. 20	Fire Alarm System—Spec. 4288—San Diego, Cal.	Oct. 7
Oct. 20	Piers and Dredging—Spec. 4090—Newport, R. I.	Oct. 7
Oct. 21	Mailing Vestibule, etc. — Rockford, Ill.	Oct. 7
Oct. 22	Dredging—Norfolk, Va.	Sept. 23
Oct. 23	Foundations and Coping for Reflecting Pool — Wash., D. C. Adv. Sept. 30 and Oct. 7.	Sept. 30
Oct. 25	Hospital — West Point, N. Y. Adv. Sept. 30 and Oct. 7.	Sept. 30
Oct. 25	Dredging—Providence, R. I. Adv. Sept. 30 and Oct. 7.	Oct. 7
Oct. 26	Remodeling and Repairing Customhouse and Post Office—Buffalo, N. Y. Adv. Sept. 30 and Oct. 7.	Sept. 30
Oct. 27	Elevator Plant—Honolulu, H. I.	Oct. 7
Oct. 27	Remodeling Custom House and Post Office — Providence, R. I.	Oct. 7
Oct. 27	Marine Railway—Spec. 4297 —San Diego, Cal. Adv. Oct. 7.	Oct. 7
Oct. 30	Hoisting Plant—Wahington, D. C.	Sept. 16
Nov. 5	Earthwork — St. Louis, Mo. Adv. Oct. 7.	Oct. 7

MISCELLANEOUS

Oct. 9	Freight Terminal — Baltimore, Md.	Oct. 7
Oct. 11	Ferry Boat—New York, N. Y.	Sept. 23
Oct. 11	Electric Equipment, Etc.— New York, N. Y.	Oct. 7
Oct. 12	Pier—Rondeau, Ont.	Oct. 7
Oct. 13	Piles, Bulkhead, etc. — Brooklyn, N. Y. Adv. Sept. 16 to Oct. 7.	Sept. 16
Oct. 13	Piers—Oswego, N. Y. Adv. Sept. 16 to Oct. 7.	Sept. 16
Oct. 15	Baseball Field — Boston, Mass.	Oct. 7
Oct. 18	Tractors — New York, N. Y.	Oct. 7
Oct. 18	Locks—Chicago, Ill. Adv. Sept. 16 to Oct. 7.	Sept. 16
Oct. 20	Equipment — Cleveland (Warrensville P. O.), O.	Oct. 7
Oct. 21	Foundation — Ft. Wayne, Ind.	Oct. 7
Oct. 22	Tractors—New York, N. Y.	Oct. 7
Oct. 22	Ferryboat—New York City, N. Y.	Oct. 7
Oct. 27	Testing Machine — Dover, Del. Adv. Oct. 7.	Oct. 7
Oct. 29	Terminal — Rouses Point, N. Y. Adv. Oct. 7.	Oct. 7

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Mass., Fall River—City having plans prepared by H. K. Barrows, archt. and engr., 6 Beacon St., Boston, for 1 story, 35 x 40 ft. brick and steel pumping station; also rein.-con. dam across Watuppa Pond. About $150,000. J. H. Kay, mayor.

Ky., Covington—City plans election to vote on $250,000 bonds to install 10,000,000 gal. electric triple-expansion pumps at waterworks pumping station. Address J. M. Louk, supt.

Minn., Pine Island—City voted $30,000 bonds to improve waterworks system. J. F. Druar, 512 Globe Bldg., St. Paul, engr.

Wyo., Evanston—City voted $200,000 bonds to build complete waterworks system. W. Cook, clk. Noted July 1.

Wyo., Laramie—City election Nov. 2, to vote on $162,000 bonds to extend sewerage system.

Tex., Paris—City voted $1,000,000 bonds to build 4,000,000,000 gal. reservoir and improve waterworks system, to include 2,000,000 gal. underground reservoir and dam across Pine Creek. R. G. Tyler, city engr.

Tex., Wichita Falls—City election Oct. 12, to vote on $200,000 bonds to improve waterworks system. J. Montgomery, city engr.

BIDS DESIRED

N. J., Newark—Until Oct. 28, by North Jersey Dist. Water Supply Comn., 20 Clinton St., building portion of Wanaque Dam. L. J. Tonnele, chn.; advertised in this issue. Noted Sept. 30.

N. J., Ventnor City—Until Oct. 25, by Common Council, altering and building additions to waterworks system. J. T. G. Hand, clk.; advertised in this issue.

Neb., Sidney—Until Oct. 17, by city, removing some of present distributing system and laying main trunk system, involving 40,000 ft. 4-16 in. c.i. pipe, concrete or steel storage reservoir, 1,000,000 gal. capacity, also remodeling present power plant in connection with above, to include taking out 2 old boilers, adding 2 new ones and one new engine generator. R. D. Salisbury Co., 1415 East Colfax Ave., Denver, Col., engrs. Noted Sept. 30.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★Mass., Boston—City let contract furnishing and erecting two pumping plants for high pressure fire service, one at Lincoln Power Station of Boston Electric Ry. Co., Commercial St., and other at 38 Station Property of Edison Electric Illuminating Co., Atlantic Ave., to Westinghouse Electric & Mfg. Co., 10 High St., $174,469.

N. Y., New York—Dept. Water Supply, Gas & Electricity, Municipal Bldg., received bids Sept. 30, furnishing, delivering and installing additional discharge lines at 179th St. Pumping Sta., from Melrose Constr. Co., 103 East 125th St., $14,000; J. A. Greggory, $14,753; H. E. Fox, 81 East 125th St., $15,700. Noted Sept. 23.

★Kan., Minneola—City let contract for general construction, including pumps, hydrant, valves and 8,210 lb. galvanized pipe, to C. H. Everett, Hutchison; furnishing 9,235 ft. 4-6 in. pipe and 4,790 lb. specials, to Amer. Cast Iron Pipe Co., 716 Scarritt Bldg., Kansas City, Mo; building tower and tank, to Chicago Bridge and Iron Wks., 105th and Throop Sts., Chicago, Ill.

★Mo., Fayette—City let contract extending waterworks system, involving earthen dam, riprap, concrete intake, riprapped spillway, cleanout, sluice gates, track rack, fine screens, 8 in. pipe line from dam site to present pipe line, etc., to McGraw & Frazier, Fayette. About $62,000. Noted Sept. 9.

★Que., Montreal—Administration Comn. let contract building 5 ft. conduit, 196 ft. long, from collecting well at waterworks to new electric pumps, to Atlas Constr. Co., 37 Belmont St. About $24,000.

Sewers

PROPOSED WORK

Pa., Hazelton—City Council plans to build 1,600 ft. extension to trunk line sewer in Diamond Ave. from Seybert to Cleveland Sts., cost $31,834; laying 600 ft. sewer in North Locust St. from 12th to 15th Sts., $27,773; arching 1,000 ft. Bunton Rock Creek from Mill St. to source, $67,184; building sewers in various other streets, $200,000. J. Rough, city engr.

Pa., Johnstown—City election Nov. 5 to vote on $1,650,000 bonds to build sewers.

Kan., Stockton—City had plans prepared for building sewers in various streets. About $65,000. E. T. Archer, New England Bldg., Kansas City, Mo., engr.

Kan., Wichita—City plans to build storm water sewer in East Douglas Ave. Dist. to include Washington, Central, Santa Fe and English Aves., 1st and Main St., 8,000 ft. long, to cover about 400 acres. About $175,000.

Neb., Chadron—See "Streets and Roads."

Wyo., Laramie—City election Nov. 2, to vote on $119,500 bonds to complete waterworks system.

★**Wyo., Clayton**—City rejected bids received Sept. 28, building sewers in Dists. 1, 2 and 3, involving 16,401 ft. 6-8 in. vitr. pipe, one 12,000 gal. and one 6,000 gal. septic tank. About $26,000. Work will be readvertised next spring. E. C. Smith, Clayton, engr.

Tex., Wichita Falls—City election Oct. 12, to vote on $700,000 bonds to build sanitary sewers and $260,000 bonds for storm sewers. J. Montgomery, city engr.

Okla., Ada—City having plans prepared building sewers in Dists. 11 and 12. About $30,000. Johnson & Benham, Firestone Bldg., Kansas City, Mo., engrs.

BIDS DESIRED

N. Y., Middletown—Until Oct. 20, by State Hospital Comm., Capitol, Albany, building underground sewer connections for Chronic Hospital here. About $25,000. E. S. Elwood, secy.

N. J., Jersey City—Until Oct. 19, by Bd. Comrs., building sewerage system in Fisk St. Drainage Area. F. A. Dolan, city clk.; advertised in this issue.

N. J., Phillipsburg—Until Oct. 13, by Bd. Comrs., 32 Market St., building sewers; Sect. 10 involves 1,800 ft. 10 in. vitr. pipe; Sect. 11, 1,406 ft. 48 in. segmental block; Sect. 12, 1,854 ft. 8 in. vitr. pipe. H. R. Britton, dir. Streets & Pub. Impvts.; advertised in this issue.

Pa., Phila.—Until Oct. 15, by J. C. Winston, dir. Pub. Wks., furnishing labor and material building branch sewers in Beaumont, Perks, Ponnaffon, Bridge, Broad, Clarion, Durfor Edmund, Euclid, 56th, 59th, Fillmore, Garfield, Royal, Hall, Juniper, Lowrence, Pike, Litchfield, Luzerne, Marshall, Mayland, Morse, Ontario, Oxford, Palethorn, Pentridge, Peters, Ridgewood, Sanger, 6th, 65th, 66th, Sydenham, Tabor, 3rd, 13th, Tower, 28th, Venango, Wakeling and Watts Sts., Buist, Chalmers, Chew, Lancaster, Lansdowne, Columbia, Park and Woodbine Aves. About $500,000.

Okla., Ada—Until Oct. 19, by Bd. City Comrs., furnishing labor and material building Sanitary Lateral Sewer Dists. 11 and 12. Johnson & Benham, Firestone Bldg., Kansas City, Mo., engrs.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Wakefield**—City let contract building sewerage system in North St. and private land, here and Stoneham, involving 5,485 ft. 15, 18 and 20 ft. pipe, to A. Cefalo 316 Belgrade Ave., Rosindale, $29,588.

★**N. Y., Long Island City**—M. E. Connolly, pres. Queens Boro., let contracts building sewers in Lyon Ave. and 39th St., to Green Contg. Co., 734 Vernon Ave., Astoria, $3,370 and $3,793 respectively; 76th St., to Saverio & Britton, $33,850; borings in Jamaica Bay, to C. S. Edwards, $8,800. Noted Sept. 23.

★**N. C., Gastonia**—City let contract building concrete sewerage disposal plant, to B. W. Harris, Durham. About $60,000. Noted Nov. 27, 1919.

O., Cleveland—S. H. Kleinman Realty Co., Natl. City Bldg., received bids building sewers and water mains in Yorkshire Heights allotment, involving 5,240 ft. 10-20 in. vitr. and 3,550 ft. 6-8 in. c.i. pipe, from A. Hosine, 635 Bradley Court, $33,503; E. Cess & Son, 2462 Baldwin Rd., $34,106.

★**Ind., Muncie**—City let contract building South Side Sewer, to C. C. Harris & Co., Youngstown, O. About $355,000. Noted Aug. 19.

★**Mo., Joplin**—City let contract building sewers in various streets, involving 20,200 ft. 8-30 in. pipe, to J. L. Zeidler, Waterloo, Ia. About $64,500.

★**Tex., El Paso**—See "Buildings."

★**Okla., Miami**—City let contract building 12-18 in. vitr. clay sewers in various streets to L. B. James and I. J. Schoe, City Hall. About $30,000.

Bridges

PROPOSED WORK

Pa., Essington—Phila. & Reading R.R., 522 Phila. & Reading R.R. Bldg., having preliminary plans prepared by S. T. Wagner, ch. engr., for reconstructing bridge over Darby Creek here to include approaches, drawbridge, and changing from single to double track. Cost to exceed $50,000.

Pa., Harrisburg—State Bd. Pub. Grounds & Bldg. rejected bids Sept. 1, building Soldiers and Sailors Memorial Bridge, steel and concrete. Noted Sept. 16.

Pa., Johnstown—City election Nov. 5 to vote on $200,000 bonds to build bridges.

W. Va., Huntington—City had plans prepared and receives bids about Feb. 1, building 1,715 ft. overhead crossing on 23rd St. over Baltimore & Ohio R.R., Chesapeake & Ohio R.R., and Ohio Valley Electric R.R. tracks also over Amer. Car and Fdry. Wks. About $252,000. W. E. Beardslee, Huntington, engr.

O., Eaton—Preble Co. plans to repair 4 concrete and steel highway bridges, 18 ft. wide. About $25,000. R. G. Hunt, co. surv.

Minn., Crookston—Polk Co. rejected bids Sept. 4 building 7 bridges, Nos. 3408, 3411, 3423, 3424, 3428 and 3429. About $27,000. S. Steenerson, Crookston, engr. Noted Aug. 26.

Missouri—State Highway Dept., Jefferson City, plans to build rein.-con. through girder superstructure, over Little Clear Creek, on Sta. 1141 plus 69, 44 ft. span, 18 ft. roadway, involving 254.9 cu.yd. Class "B" concrete, 27,130 lb. reinforcing steel; rein.-con. through girder superstructure, over Sims Creek, on Sta. 831 plus 38, 30 ft. span, 18 ft. roadway, 201.5 cu.yd. Class "B" concrete, 20,570 lb. reinforcing steel; rein.-con. deck girder superstructure, over Coon Creek, on Sta. 672 plus 50, 24 ft. span, 18 ft. roadway, 2.6 cu.yd. Class "A," 26.1 cu.yd. Class "B" and 74.5 cu.yd. Class "C" concrete, 5,470 lb. reinforcing steel; rein.-con. slab superstructure over branch of Coon Creek, on Sta. 632 plus 50, 20 ft. span, 18 ft. roadway, 2.1 cu.yd. Class "A," 29.3 cu.yd. Class "B" and 78.5 cu.yd. Class "C" concrete, 3,510 lb. reinforcing steel; rein.-con. through girder superstructure, over Broyles Branch, on Sta. 185 plus 60, 30 ft. span, 18 ft. roadway, 56.6 cu.yd. Class "B" and 62.4 cu.yd. Class "C" concrete, 7,780 lb. reinforcing steel, all above on Osceola-Eldorado Springs Rd., St. Clair Co.; rein.-con. slab superstructure, over Big Branch Coon Creek, on Sta. 1485 plus 16, 20 ft. span, 18 ft. roadway, 2.1 cu.yd. Class "A," 29.3 cu.yd. Class "B" and 60.2 cu.yd. Class "C" concrete, 3,360 lb. reinforcing steel; rein.-con. slab superstructure and 4 rein.-con. wing walls, over Big Branch Coon Creek, on Sta. 860 plus 32, 16 ft. span, 18 ft. roadway, 2.3 cu.yd. Class "A" and 100 cu.yd. Class "B" concrete, 6,880 lb. reinforcing steel; rein.-con. slab superstructure, over Gallinipper Creek on Sta. 114 plus 60, 20 ft. span, 18 ft. roadway, 2.1 cu.yd. Class "A," 29.3 cu.yd. Class "B" and 91.4 cu.yd. Class "C" concrete, 3,390 lb. reinforcing steel; rein.-con. slab superstructure and 1 concrete pier, over Fork of Little Weaubleau Creek, two 20 ft. spans, 18 ft. roadway, 3.9 cu.yd. Class "A," 55.4 cu.yd. Class "B" and 51.2 cu.yd. Class "C" concrete, 6,060 lb. reinforcing steel; rein.-con. slab superstructure and 1 concrete pier, over Little Weaubleau Creek, on Sta. 18 plus 50, two 20 ft. spans, 18 ft. roadway, 3.9 cu.yd. Class "A," 55.3 cu.yd. Class "B" and 51.2 cu.yd. Class "C" concrete, 6,060 lb. reinforcing steel; rein.-con. slab superstructures and 2 concrete piers, over Panther Creek, on Sta. 1944 plus 50, three 20 ft. spans, 18 ft. roadway, 5.7 cu.yd. Class "A," 79.2 cu.yd. Class "B" and 63.4 cu.yd. Class "C" concrete, 9,300 lb. reinforcing steel, all on Osage Valley Highway, St. Clair Co.

Missouri—State Highway Dept., Jefferson City, plans to build Stevens Branch Bridge over Stevens Branch, on Sta. 11 plus 66, involving 3 cu.yd. Class "A," 88.4 cu.yd. Class "B" and 21 cu.yd. Class "C" concrete, 6,830 lb. reinforcing steel; Clarks Creek Bridge, on Sta. 485 plus 35, 56.7 cu. yd. Class "A" and 130.9 cu.yd. Class "B" concrete, 19,350 lb. reinforcing and 52,300 lb. fabricated structural steel; Blacks Bridge over St. Francois River, on Sta. 642 plus 75, 15.2 cu.yd. Class "B" concrete, 1,220 lb. reinforcing and 37,600 lb. structural steel, 750 lin. ft. concrete piling; Clarks Creek Bridge over Clarks Creek, on Sta. 208 plus 50, 5.7 cu.yd. Class "A," 145.6 cu.yd. Class "B" and 40.6 cu.yd. Class "C" concrete, 13,390 lb. reinforcing steel, all above on Federal Aid Project 129, Wayne Co.; Salt Fork Bridge over Salt Fork at Kiser Hill, on Sta. 391 plus 16, Federal Aid Project 29, Saline Co., 23.3 cu.yd. Class "B" concrete, 1,620 lb. reinforcing and 36,000 lb. fabricated structural steel, 630 lin.ft. concrete piling; 11 rein.-con. slab superstructures, on Federal Aid Project 54, Howell Co., 29.2 cu.yd. Class "A," 821.2 cu.yd. Class "B" and 448.2 cu.yd. Class "C" concrete, 77,930 lb. reinforcing steel.

BIDS DESIRED

North Carolina—Until Oct. 12 by State Highway Comm., at Div. Office, Greensboro, building bridges and culverts on Federal Aid Project 38 A, Moore Co., involving 1,832 cu.yd. Class A concrete, 246,300 lb. reinforcing steel, 4,680 lb. plates and bolts, 990 lin.ft. untreated timber piles, etc. W. S. Fallis, Raleigh, state highway engr.

Ky., Harlan—Until Oct. 11, by Comrs. Harlan Co., building 545 ft. bridge over Cumberland River at Wallins Creek; 162 ft. bridge over Martins Fork of Cumberland River at Catrons Creek. N. Cory, bridge engr.; advertised in this issue.

Missouri—Until Oct. 25, by State Highway Dept., New Madrid, building skew pony truss superstructure over Drainage Ditch 18, on Sta. 670 plus 30, 60 ft. span, 18 ft. roadway, involving 360 lin.ft. creosoted timber piles, 74.2 cu.yd. Class "B" concrete masonry, 5,340 lb. reinforcement for concrete masonry, 28,400 lb. fabricated structural steel, 5,810 ft. timber, etc., cost $8,034; pony truss superstructure, over Hunter Lateral Drainage Ditch, on Sta. 769 plus 85, 50 ft. span, 18 ft. roadway, 240 lin.ft. creosoted timber piles, 41.1 cu.yd. Class "B" concrete masonry, 2,030 lb. reinforcement for concrete masonry, 23,300 lb. fabricated structural steel, 5,000 ft. lumber, etc., $5,709; I-beam superstructure over Drainage Ditch 18, on Sta. 907 plus 91.38 ft. span, 10 ft. roadway, 230 lin.ft. creosoted timber piles, 44.6 cu.yd. Class "B" concrete masonry, 2,650 lb. reinforcement for concrete masonry, 17,900 lb. fabricated structural steel, 4,100 ft. lumber, etc., $4,793; pony truss superstructure over Owen Bay Drainage Ditch, on Sta. 1061 plus 22.70 ft. span, 18 ft. roadway, 240 lin.ft. creosoted timber piles, 46.1 cu.yd. Class "B" concrete masonry, 2,630 lb. reinforcement for concrete masonry 34,500 lb. fabricated structural steel, 6,800 ft. timber, $7,441. Above bridges on Federal Aid Project 40, New Madrid Co.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**R. I., North Scituate**—Water Supply Bd., City Hall, Providence, let contract building Danielson Pike Bridge, 35 ft. span, involving 880 cu.yd. concrete, 25,000 lb. steel and 6,000 cu.yd. earth excav., to T. F. McGovern, 95 Main St., Southbridge, $51,600. Noted Sept. 23 under "Providence."

★**Conn., Hartford**—Billings & Spencer Co., Park and Laurel Sts., let contract building concrete and steel bridge at plant to Ellison Constr. Co., 100 Wellington Ave. Cost to exceed $25,000.

★**Illinois**—Dept. Pub. Wks. & Bldgs., Springfield, let contracts building bridges on Sect. 15B, Federal Aid Project 14, Pulaski Co., to Heman Constr. Co., Title Guaranty Co., St. Louis, $24,217; Sect. 15C, Federal Aid Project 14, Pulaski Co., to Gen'l. Constr. Co., 582 Arcade Bldg., St. Louis, $15,000; Sect. 2B, Federal Aid Project 18, Champaign Co. to Zimmerly Bridge Co., Paris, $43,240; Sect. U2, Federal Aid Project 9, Fayette Co., to L. C. Kesler, Herrick, $70,185. Noted Sept. 23.

★**Wis., Racine**—Bd. Pub. Wks. let contract building Millmine Bridge, to have three 50 ft. spans, rein.-con., to Olson & Connolly, c/o P. H. Connolly, City Hall, $31,473. Noted Sept. 9.

★**Ia., Pocahontas**—Pocahontas Co. let contracts building one 16 x 50 ft. pony truss bridge, three 16 x 16 ft., one 16 x 22 ft. and one 16 x 32 ft. I-beam bridges, 16 ft. roadways, to C. L. Schoeboe, 1543 33rd St., Des Moines, $25,055; one 16 x 50 ft., one 20 x 50 ft. and two 20 x 55 ft. pony truss bridges, 16 and 20 ft. wide, to Vinton Eng. & Contg. Co., Vinton, $31,214. Noted Sept. 16.

★**Kan., Topeka**—Shawnee Co. let contract building 130 ft. rein.-con. rainbow arch bridge, 20 ft. roadway, near Wakarusa, to N. E. Marsh & Co., 205 Masonic Temple, Des Moines, Ia., $38,751. Noted Sept. 16.

★**N. D., Mott**—Hettinger Co. let contract building double span Rainbow arch bridge, concrete to J. D. Berry, Mott, $40,180. Noted Sept. 16.

Tex., Franklin—Robertson Co. received bids Sept. 16 building concrete and steel bridges, including four 50 ft. and one 70

Bridges (Continued)

ft. steel span, 16 ft. roadway, on Highway 14, from McCall-Moore Eng. Co., 308-9 Amicable Bldg., Waco, $75,817; Austin Bros., 1815 Coombs St., Dallas, $81,055; A. D. McClain & Co., Houston, $86,925. Noted Sept. 2.

Streets and Roads

PROPOSED WORK

Mass., Gardner — Town plans to build concrete road on Main St. from West Gardner Sq. to Union Sq. About $75,000. Sweet & Kendall, Gardner, engrs.

Conn., New Haven—City plans to pave various streets. About $200,000. F. L. Ford, city engr.

New York — State Highway Comn., 55 Lancaster St., Albany, received no bids Sept. 28 completing Rd. 5, 588-B, Greene Co. and Rd. 396, Nassau Co. Noted Sept. 16.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro., rejected bids Sept. 20 regulating and grading 2 sections of Rockaway Blvd., Cooper Ave., Shell Rd. and Strongs Causeway. Noted Sept. 16.

Pa., Hazelton—City Council having plans prepared and receives bids in winter, paving 1,800 ft. Church St. from 8th to 17th Sts., cost $24,806; 2,000 ft. Poplar St. from Broad to Noble Sts., $28,176, both cement base with amiesite coat; 2,000 ft. North Locust St. from Diamond Ave. to 12th St., cement base with amiesite top or some other approved bituminous mixture, $42,037, all above 40 ft. wide, also various other streets, amounting to $100,000. J. Rough, city engr.

Pa., Johnstown—City election Nov. 5 to vote on $250,000 bonds for paving and $500,000 bonds for repaving various streets.

W. Va., Berkeley Springs—Comrs. Morgan Co. plan to grade Great Cacapon Rd. About $45,000. Federal Government will appropriate 50 per cent of cost. C. A. Rothrock, Berkeley Springs, engr.

W. Va., Clendenin — City voted $40,000 bonds to grade, pave and drain various streets. Engineer not selected.

W. Va., Lewisburg—Greenbrier Co. voted $94,000 bonds to improve roads in Blue Sulphur Dist. Noted July 29.

W. Va., Middlebourne—Comrs. Tyler Co. plan to grade 4 mi. River Rd. About $47,000. Federal Government will appropriate 50 per cent of cost. C. B. Cook, Middlebourne, engr.

Tenn., Jamestown—Fentress Co. voted $200,000 bonds to build two highways, one running from Pickett Co. line near Boatland to Morgan Co. line near Brewster Fork, crossing Dixie Short Route at Jamestown, and other starting at Overton Co. line at a point near Davidson and running to Morgan Co. line east of Banner Springs, crossing Dixie Short Route National Highway, at Grimsley.

Ky., Covington — City plans election to vote on $70,000 bonds to resurface 15 blocks Scott St. from 6th St. to Sterret Ave.; $30,000 bonds for 5 blocks Main St. from 4th to Pike Sts.; $50,000 bonds to improve 16 blocks Decoursey Ave., Latonia, from 32d to 45th Sts.

O., Toledo—Lucas Co. will sell bonds to pave 6.8 mi. Sylvania-Onetowora Rd., 16 ft. wide, concrete; 4.5 mi. Wynn Rd., 16 ft. wide, concrete, $167,000; 2 mi. South Street, 16 ft. wide, concrete, $103,000; 3.96 mi. Whitehouse-Archbold Rd., 10 ft. wide, waterbound macadam, $55,500; 4.37 mi. Brint Rd., 14 ft. wide, waterbound macadam, $72,600.

Wis., Two Rivers — City soon receives bids building 22,000 sq.yd. tar penetration macadam resurfacing on Washington, Monroe and 16th Sts. C. Popelka, City Hall, engr.

Minn., Hibbing — City opens bids about Nov. 1 for preparing foundation and laying concrete pavement on Central Ave. from 1st to Howard Sts. About $100,000. E. J. Halley, Hibbing, engr.

Kan., Wichita—Sedgwick Co. had plans prepared grading and surfacing 5.59 mi. Project 54, Sect. A, Cannon Ball Rd., 18 ft. wide, concrete or brick. M. Roseberry, Wichita, engr.

Neb., Chadron—City plans to grade, pave, build concrete curbs and install storm sewers in Impvt. Dist. 2 and 3. About $1,000,000. R. D. Salisbury Co., 1415 East Colfax Ave., Denver, Col., engrs.

N. D., Minot—Comrs. Ward Co. plan to build 18 mi. State and Federal Highway between Burlington and Carpio. Cost between $90,000 and $125,000.

Montana—State Highway Dept., Helena, plans to gravel surface 18 mi. Glasgow-Nashua Rd., Valley Co., cost $118,855; 6 mi. Glasgow-Jordan Rd., Valley Co., $41,085; pave 0.373 mi. McLeod Ave., 18 ft. wide, Sweet Grass Co., $20,228. Federal Government has been asked to appropriate toward cost. J. N. Edy, state highway engr.

Mo., Keytesville—Chariton Co. had plans prepared grading, building culverts and wooden guard rail on 1.13 mi. road from Mussel Fork Creek westward, also on 0.60 mi. road from Chariton River southeast, involving 900 cu.yd. earth excav., 48,725 cu.yd. borrow, 2.2 cu.yd. Class "C" concrete, 1,093 lin.ft. wooden guard rail, etc. About $36,908. M. J. Hamck, Howe Bldg., Macon, engr.

Mo., St. Joseph—City received no bids resurfacing 1 mi. road between car tracks on 22d St. from Marion St. to Lovers Lane and from Marion St. to Highland Ave., also from Frederick Ave. to Oakland Park, 33 ft. wide, involving 1,500 sq.yd. vitr. brick, 230 lin.ft. plain curbing, 500 lin.ft. portland cement concrete sidewalks. About $39,836. W. K. Seitz, City Hall, engr.

Tex., Brownsville—Cameron Co. plans to expend $1,000,000 to build concrete roads. W. O. Washington, highway engr.

Tex., Burkburnett — City voted $50,000 bonds to improve streets, to include paving, etc. R. D. Laney, mayor.

Tex., Del Rio — Val Verde Co. having plans prepared grading, gravel surfacing and draining 7.29 mi. Highway 12 from 5 mi. north of here to Devils River, involving 15,000 cu.yd. earth, 3,000 cu.yd. solid and 2,500 cu.yd. loose rock excav., 14,700 cu.yd. gravel, 14,500 lb. reinforcing steel, 125 cu.yd. Class "A," 24 cu.yd. Class "B" and 142 cu.yd. 1:2:3 concrete. About $50,760. G. M. Jowers, co. engr.

Tex., Gainesville—Cooke Co. having plans prepared grading, gravel surfacing and draining 9.5 mi. Highway 40 from Denton Co. line to north boundary line Rd. Dist. 1, involving 95,000 cu.yd. unclassified earth excav., 24,776 cu.yd. gravel, 64,000 lb. reinforcing steel and 800 cu.yd. Class "A" concrete. About $169,619. Bryant & Huffman, 211-217 Littlefield Bldg., Austin, engrs.

Tex., Sinton—San Patricio Co. opens bids about Oct. 20, grading, surfacing and draining 12.04 mi. Highway 9 through Rd. Dist. 5, also 15.5 mi. Highway 9 through Rd. Dist. 1. A. C. Pancoast, Beeville, co engr. Noted Sept. 23.

Tex., Wichita Falls—City election Oct. 12, to vote on $740,000 bonds to improve streets. J. Montgomery, city engr.

Okla., Alva—City having plans prepared paving 20 to 25 blocks. About $150,000. Johnson & Benham, Firestone Bldg., Kansas City, Mo., engrs.

Colorado—State Highway Dept., Denver, plans to build 6 mi. highway between Brush and Akron, Yuma Co., sand and clay. About $48,000. J. C. Maloney, state highway engr.

Col., Colorado Springs—City receives bids about Dec. 1 paving 8 mi. Colorado, Cascade, Platte and Nevada Aves., involving 62,030 lin.ft. concrete curb and gutter, 84,254 cu.yd. earth excav., etc. About $1,148,598. Bids will be received on 6 in. concrete pavement, Warrenite bitulithic on 5 in. concrete base, Warrenite bitulithic on 4 in. crushed stone base, sheet asphalt with binder on 5 in. concrete base and asphaltic concrete on 5 in. concrete base. F. F. Mallon, City Hall, engr. Noted April 1.

Idaho—State Highway Dept., Boise, plans to grade and drain 21.8 mi. Sawtooth Park Highway-Salmon North Fork Sect. Lemhi Co., cost $347,000; 7.88 mi. Lost River Highway connecting Federal Aid Projects 3 and 4, Custer Co., $85,000; 12.4 mi. Lost River Highway from Mackay to Darlington, Custer Co., $141,000. W. J. Hall, Boise, comr. Pub. Wks.

Ariz., Tucson—Pima Co. plans to build following roads: Casa Grande, cost $255,000; Borderland, $182,000; Vail-Benson, $174,339; Nogales, $317,747; Ajo-Gunsight, $124,241; Ajo East, $680,000; Ajo West, $230,000; Mt. Lemon, $49,000; Twin Buttes, $90,424; Indian School, $2,300; North Tanque Verde, $39,324; South Tanque Verde, $22,500; Fort Lowell, $14,962; Sasabe, $315,723; Arivaca, $168,000; Kennison Dip, $7,700; Cienego Dip, $4,666; 6th Ave., $29,412; Pantano Bridge, $30,000. Total cost, $2,837,338. About $1,861,383 available.

Que., Montreal — Administrative Comn. plans to expend $42,000 for sidewalks. City to pay half and bordering property owners to pay other half.

BIDS DESIRED

N. Y., Brooklyn—Until Oct. 13, by E. Riegelmann, boro. pres., regulating and paving with permanent asphalt pavement on 6 in. concrete foundation roadway of Bath Ave. from 21st Ave. to Bay 35th St.; regulating and grading 86th St. from S... well to Gravesend Aves.; regulating, c... ing and laying sidewalks on 86th St. f... Stillwell to Gravesend Aves.; relocating ... tracks and rails on Bath Ave. from 21... Ave. to Bay 35th St.

N. J., Freehold — Until Oct. 18, by ... Freeholders Monmouth Co., rebuilding Sect... 1-A and 1-B of Rumson Rd., Shrewsbu... Twp. and Rumson Boro. W. M. Berge... dir.; advertised in this issue. Noted Jan. 29.

Pa., Pittsburgh—Until Oct. 9, by ci... grading, paving, curbing, etc., Homestead St. from Nevada to Pocono Sts., cost $32,500; Pocono St. and Lynn Way, $35,500; Carson St. from Smithfield to South 7... Sts., $116,700; Webster Ave. from Fullerton to Roberts Sts., $43,000, all to be sheet asphalt with concrete curbing.

Pa., Throop (Olyphant P. O.)—Until Oct. 11, by Boro. Council, paving 1,500 ft. Scranton Rd., 30 ft. wide. About 25,000 F. Stone, Court House, engr.

Delaware—Until Oct. 27, by State Highway Dept., Dover, building 6.57 mi. state highway from Laurel to Asbury Church, Sussex Co., Contr. CS-13; 0.93 mi state highway through Georgetown, Sussex Co., Contr. CS-14; advertised in this issue.

North Carolina—Until Oct. 12, by State Highway Comn., at Division Office, Greensboro, surfacing 5 mi. Federal Aid Project 125 A, waterbound macadam, Alleghany Co.; grading and top soiling 11.93 mi. Federal Aid Project 112, Caswell Co.; 21.82 mi. Federal Aid Project 99 B, Chatham Co.; 9.46 mi. Federal Aid Project 101 B Randolph Co. W. S. Fallis, Raleigh, state highway engr.

Indiana — By Bd. Co. Comrs. building roads in following counties:

Oct. 11, St. Joseph, South Bend, 6,733 ft. F. A. Miller Rd., Portage Twp., concrete. C. Sedgwick, aud.

Oct. 15, Madison Co., Anderson, 16,076 ft. Benzenbower Rd., Anderson and Union Twps., gravel. H. P. Hardie, aud.

Oct. 27, Vigo and Sullivan Counties, Terre Haute, J. W. Adams et al. and Vincent Yeagher et al. Rds., on county line C. M. Lee, aud. Vigo Co., and F. M. Daniels, aud. Sullivan Co.

Oct. 30, Bartholomew Co., Columbus, 1 mi. Herring Rd., Jackson Twp., Decatur Co. and Rockcreek Twp., stone. R. Henderson, aud.

Ind., Ft. Wayne—Until Oct. 14, by city, grading, draining, curbing and paving 2,559 ft., Lumbard St., 26 ft. wide. About $37,400. Bids will be received on all types of pavement. F. M. Randall, City Hall, engr. Noted Aug. 12.

Ind., Ft. Wayne—Until Oct. 26, by Comrs. Allen Co., grading, draining and paving 15,747 ft. Young Rd., 12 ft. wide, waterbound macadam. About $33,400. A. W. Grosvenor, co. engr. Noted Sept. 23.

Mich., Detroit—Until Oct. 22, by Bd. Rd. Comrs. Wayne Co., 220 County Bldg., grading, draining and surfacing 1.582 mi. State Trunk Line Rd. 10-19, 20 ft. wide, involving 6,022 cu.yd. earth excav., 18,567 sq.yd. concrete, 6,135 lin.ft. tile, 282 cu.yd. concrete in culverts, 49,500 lb. steel beams, etc.

Mich., Lake City—Until Oct. 15, by Bd. Rd. Comrs. Missaukee Co., grading, draining and surfacing 5.406 mi. State Trunk Line Rd. 55-2, Sect. B, involving 18,975 cu.yd. earth excav., 50,743 sq.yd. base course gravel, 446 lin.ft. pipe culverts, etc.

Wisconsin—Until Oct. 11, by State Highway Dept., Madison, grading and paving 2.71 mi. Madison-Sauk City Rd., (Springfield Hill), Federal Aid Project 12, Dane Co., involving 4,931 cu.yd. featheredge gravel surfacing.

Minn., Granite Falls — Until Oct. 19, by Yellow Medicine Co., graveling 10 mi. State Rd. 5. About $35,000. K. P. Caswell, Granite Falls, engr.

Missouri—Until Oct. 25, by State Highway Dept., New Madrid, building 14.81 mi. King's Highway, Federal Aid Project 40, New Madrid Co., involving 45,050 cu.yd. earth excav., 58,956 cu.yd. borrow, 186,658 sq.yd. specification "A" gravel pavement, 90.1 cu. yd. Class "B" and 113.8 cu.yd. Class "C" concrete masonry. About $228,477.

Mo., Clayton—Until Oct. 13, by St. Louis Co., grading 7.3 mi. St. Charles Rock Rd. from Lackland to Taussig, involving 30,000 cu.yd. rough grading. About $25,000. W. Elbring, Clayton, engr.

Ark., Siloam Springs—Until Oct. 28, by Comrs., Benton Co., grading, surfacing, draining, also building steel bridges on 34.75 mi. road impvt. Dist. 5, involving 135,000 cu.yd. earth and 13,000 cu.yd. rock excav., etc. L. P. Kember, Siloam Springs, secy. W. L. Winters, Ft. Smith, engr.

Streets and Roads (Continued)

Tex., **Clarksville**—Until Oct. 13, by R. J. Williams, judge Red River Co., grading, surfacing and building concrete and steel bridges and culverts on 4 mi. Highway 5 from Avery to English, involving 5.24 acres clearing and grubbing, 22,934 cu.yd. borrow and 2,865 cu.yd. earth excav., 159.8 cu.yd. Class "A" concrete, 4,865 cu.yd. gravel, 16,681 lb. structural steel, 3,074 ft. flooring, etc. About $53,990. P. Y. Creager, co. engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Maine**—State Highway Dept., Augusta, will pave 4.71 mi. state highway, bituminous macadam, Newport Twp.; 5.87 mi. state highway, gravel, Sherman and Crystal; 7.44 mi. state highway, bituminous macadam, Corinna, and 5.52 mi. state highway, bituminous macadam, Dexter. Work will be done by day labor. Noted May 20.

★**Massachusetts** State Dept. Pub. Wks., Div. Highways, Boston, let contracts repairing 2,100 ft. state highway, macadam, Sterling, to Federal Contg. Co., Stoneham, $5,010; grading Dedham Parkway, East Dedham, to Powers Bros., 167 North Montello St., Brockton, $5,500; paving 2,000 ft. state highway, bituminous macadam, Saugus, to Rowe Contg. Co., 45 Milk St., Boston, $27,067; 10,450 ft. state highway, bituminous concrete, Salisbury, to J. E. Watkins, 29 Powow St., Amesbury, $58,214; 300 ft. state highway, bituminous macadam, Danvers, to McDonough Co., 620 Humphrey St., Swampscott, $5,605.

★**Mass., Boston**—City let contract building Caroline Ave., involving 350 cu.yd concrete walls and 8,000 cu.yd. excav., to J. C. Coleman & Sons Co., 1620 Tremont St., Roxbury. About $25,000. Noted Sept. 9.

New York—State Highway Comn., 55 Lancaster St., Albany, received bids Sept. 28, completing (a) Rd. 1,535, (b) Rd. 5,649, Rockland Co., (c) Rd. 1,208, Suffolk Co., (d) 1,496 Essex Co., from Rosoff Eng. Co., 15 Park Row, New York City, (a) $30,743, (b) $43,817; R. W. S. Corp., 30 Church St., New York City, (c) $179,955; W. P. McDonald Constr. Co., Penn Sq. Bldg., Phila., (c) $179,968; J. P. McDermott, Port Washington, (c) $189,087; Lane Constr. Co., 37 Colony St., Meriden, Conn., (d) $271,211; R. Hopkins, Troy, (d) $278,267. Noted Sept. 16.

★**N. Y., Long Island City**—M. E. Connolly, pres. Queens Boro., let contracts regulating and grading Arcadia Ave. and Havemeyer St. to R. A. Hess, 14 Queens St., Astoria, $1,386 and $23,596 respectively; Bridge Plaza, north and south (sheet asphalt), and Prospect St., to Sicilian Asphalt Paving Co., 41 Park Row, New York City, $32,480 and $26,204 respectively; College Point Causeway, to A. Mayers, $30,680; 8th Ave. and 1st St., to Union Paving Co., Bway. and 112th St., New York City, $48,085 and $57,125 respectively; Lawrence Ave., to H. J. Mullen, Fulton St., Jamaica, $61,340. Noted Sept. 23.

N. Y., New York—H. Bruckner, pres. Bronx Boro., received bids Sept. 29 regulating, grading, etc., (a) West 230th St., (b) East 180th St., (c) Guion Pl., (d) West 190th St., (e) Britton St., (f) Bronx Park Ave., paving (g) Van Buren St., (h) Faile St., (i) Morris Ave., (j) Fillmore St., building sewer in (k) Carlisle Pl., (l) Post Rd., from I. F. Cavalluzzo, (a) $3,959, (b) $4,606; M. DelBalso, 1434 Bryant St., (a) $4,204, (c) $6,556, (d) $16,099, (k) $4,399; A. DelBalso, (a) $4,759, (b) $4,941; F. Schneider, Bronx River, (b) $5,1.4, (d) $16,345; R. Palamo, (c) $6,590; G. DelBlasio, (e) $6,648; Clemente Contg. Co., 1195 Spofford St., (d) $16,373, (l) $17,569; De Angelo Contg. Co., (e) $11,852, (k) $3,658; Spadero Contg. Co., 827 East 217th St., (e) $14,632, (l) $14,180; O'Connell & Strada, (e) $14,724; J. L. Brusstar, Harlem River and 150th St., (f) $24,600, (g) $23,-610, (h) $19,162, (i) $9,406, (j) $14,775; Uvalde Asphalt Paving Co., 1 Bway., (f) $24,782, (h) $18,762, (i) $9,354, (j) $15,275; Asphalt Constr. Co., 2197 Madison Ave., (f) $24,982, (h) $17,762, (i) $9,116, (j) $15,331; Union Paving Co., Bway. and 112th St., (g) $23,479; Davney Asphalt Co., 177th St. and Westchester Creek (g) $24,861; L. Russiano, (k) $4,358; Estates Contg. Co., (l) $14,600. Noted Sept. 23.

N. Y., New York—H. H. Curran, pres. Manhattan Boro., received bids Sept. 29 regulating and repaving (a) Murray St., (b) East 97th St., (c) 48th St., (d) 49th St., (e) 2d Ave. (white oak or chestnut oak block), (f) 39th St., (g) furnishing and delivering 5,000 cu.yd. paving sand, from P. J. Kearns, 2306 Creston Ave., (a) $79,-735; W. J. Fitzgerald, 547 West 45th St., (a) $82,354, (c) $3,475, (d) $5,543; Asphalt Constr. Co., 2197 Madison Ave., (b) $23,-729; C. Helbrock, (b) $23,870; Burnside Constr. Co., 270 Burnside Ave., (b) $25,805; Sicilian Asphalt Co., 41 Park Row, (c) $3,066, (d) $5,341; Uvalde Asphalt Paving Co., 1 Bway., (c) $3,157, (d) $5,437; Annorock Eng. & Constr. Co., (e) $39,777; Hastings Paving Co., 25 Broad St., (f) $13,343; Ames Bldg. Material Co., 3437 Kingsbridge Ave., (g) $3,675; G. Eaton, (g) $3,825; Manhattan S. & G. Co., (g) $4,139. Noted Sept. 23.

★**N. Y., S. I., St. George**—C. D. Van Name, pres. Richmond Boro., let contracts repaving with concrete Arthur Kill Rd. from Fosters to Woodrow Rds., and from Sharrots to Foster Rds., to W. P. McDonald, Port Richmond, $163,120 and $165,071 respectively; from Woodrow to Richmond Rds., to J. Donovan, 2205 Richmond Terrace, Port Richmond, $164,042; from Bentley St. to Sharrots Rd., to J. Johnson Son, West New Brighton, $214,487. Noted Sept. 16 and 23.

Alabama—State Highway Dept., Montgomery, received bids draining, grading and surfacing 5.44 mi. road between Tuskegee and Girard, sand clay, Russell Co., from L. G. Rawlinson, Montgomery, $38,936, J. F. Giddens & Sons, Troy, $39,955; 12.05 mi. Chisholm Rd. from Florence to Tennessee state line, chert and gravel, Lauderdale Co., from W. T. Taylor Constr. Co., Sylacauga, $156,888, R. W. Taylor, Florence, $171,793, P. Wallace, Trafford, $183,514. Noted Sept. 16.

★**O., Cleveland**—City let contract grading, draining and paving East 140th St. from St. Clair to Aspinwall Aves., brick, to Gould & Maybeck, 823 East 150th St., $88,513. Noted Sept. 9.

★**Michigan**—State Highway Dept., Lansing, let contract shaping present base and surfacing 1.366 mi. State Trunk Line Rd. 10-32 Sect. A, Oakland Co., involving 16,-029 sq.yd. Willite, to Willite Rd. Constr. Co., Detroit, $40,138.

★**Mich., Grand Rapids**—Comrs. Kent Co. let contract grading, draining and surfacing 3.647 mi. State Trunk Line Rd. 44-3, 16 ft. wide, involving 26,712 cu.yd. earth excav., 34,236 sq.yd. gravel surface, 483 lin.ft. pipe culverts, etc., to H. J. Taber, 214 Eastern Ave., N. E., $52,686. Noted Sept. 16.

★**Mich., Lapeer**—Ed. Rd. Comrs. Lapeer Co. let contract grading, draining and surfacing 2.993 mi. State Trunk Line Rd. 21-12, 16 ft. wide, involving 14,274 cu.yd. earth excav., 28,093 sq.yd. gravel surface, 604 lin.ft. tile culverts, etc., to J. Decker, Rogers, $44,062. Noted Sept. 2.

★**Mich., Mason**—Ingham Co. let contract building 5.628 mi. road, 2 course Class "B" gravel, to A. Lathrop and C. E. Hodge, Dansville, $46,359.

★**Mich., Ontonagon**—Village and Comrs. Ontonagon Co. let contract paving Main St., concrete and bituminous concrete, to Smith & Sparks, Shelden Dee Bldg., Houghton. About $30,000.

★**Mich., Rogers**—Presque Isle Co. let contract grading, draining and surfacing 2.99 mi. State Trunk Line Rd. 10-24, Sect. A, involving 24,300 cu.yd. earth excav., 28,656 sq.yd. gravel surface, 3,215 lin.ft. guard rail, 237 lin.ft. pipe culverts, etc., to E. McClure, Posen, $57,629. Noted Sept. 2.

★**Illinois**—Dept. Pub. Wks. & Bldgs., Springfield, let contracts to Buis & Olson, St. Joseph, Mo., grading Sect. 13A, Union Co. and Sect. 14A, Union and Pulaski Counties, both Federal Aid Project 14, $223,000; Sect. 15A, Federal Aid Project 14, Pulaski Co., $71,920; Cameron, Joyce & Co., Keokuk, Ia., Sect. 16A, Federal Aid Project 14, Pulaski Co., $70,628; M. Hayes & Son, Janesville, Wis., Sect. 2A, Federal Aid Project 18, Champaign Co., $11,716. Noted Sept. 23.

★**Ill., Springfield**—City let contract paving 3,000 ft. East South Grand Ave., 18 ft. wide, involving 6,000 sq.yd. 3 in. vitr. brick on 5 in. concrete base, to F. Nelch, 1613 South 5th St., $24,954.

Wisconsin—State Highway Comn., at div. office 5, Batavian Bank Bldg., La Crosse, received bids Sept. 29, grading and paving (1) 2.47 mi. Black River Falls-Alma Center Rd., Federal Aid Project 84, Jackson Co., involving (a) 24,718 sq.yd. shale surfacing, (2) 3.7 mi. Alma-Mondovi Rd., Federal Aid Project 135, Buffalo Co., (a) 32,979 cu.yd. earth excav., (b) 602 cu.yd. concrete in culverts, (c) 2.2 acres clearing and grubbing, (d) 3,996 cu.yd. borrow excav., from Kelly Bros., Taylor, (a) $0.35 per sq.yd., total cost, $8,652; Mason & Metzger, Blair, (1a) $0.35, $8,652; Hoffman & Meeks, Black River Falls, (1a) $0.75, $18,539; Ofstie & Mulheron, Spring Valley, (2a) $0.60, (2b) $30, (2c) $175, (2d) $0.65, total cost, $46,-092; Brogan & Burns, Breen Bay, (2a) $0.65, (2b) $32, (2c) $300, (2d) $0.65, $49,-110; Universal Eng. Co., Eau Claire, (2a) $0.89, (2b) $32, (2c) $145, (2d) $0.91, $58,406. Noted Sept. 23.

Wisconsin—State Highway Comn. Madison, received only bid Sept. 28 grading and building concrete culverts on 0.45 mi. Lake Shore Rd., Federal Aid Project 169, Sheboygan Co., from Clos & Myer, 1600 Oakland Ave., Milwaukee. About $25,000. Work involves 15,259 cu.yd. excav. and 345.7 cu.yd. Class "A" concrete.

★**Wis., Waukesha**—Waukesha Co. let contract to Universal Eng. Co., Eau Claire, grading and constructing bridge on Oconomowoc Relocation, involving 20,000 cu.yd. grading, $0.89, 2.1 acres clearing and grubbing, $150 per acre, etc. Noted Sept. 23.

★**Ia., Clinton**—Clinton Co. let contract grading and draining 17.4 mi. Lincoln Highway from here to 2 mi. west of De Witt, involving 60,000 cu.yd. earth excav., etc., to Koss Constr. Co., 2818 5th St., Des Moines. About $840,000. Noted Sept. 2.

★**Ia., Newton**—City let contract paving various streets, involving 36,000 sq.yd. rein.-con. paving and 30,600 lin.ft. curb or curb and gutter, to J. S. McLauchlin & Sons, Mankato, Minn., $4.85 per sq.yd. and $1.58 per lin.ft. respectively. Noted Aug. 26.

★**South Dakota**—State Highway Dept., Pierre, let contracts improving (1) 6.97 mi. Sioux Falls-Elk Point and Sioux City Rds., 24 ft. wide, (2) 10.93 mi. Elk Point-Beresford and Sioux Falls Rds., 36 ft. wide, (a) grading and building drainage structures, (b) graveling, to Mankato Constr. Co. and C. G. Sigwald, Mankato, Minn., (1a) $55,-297, (1b) $42,298; Shipman Constr. Co., Sioux City, Ia., (2a) $50,441, (2b) $16,975. Noted Aug. 19.

★**Missouri**—State Highway Dept., Palmyra, let contracts to County Court, Palmyra, building 10.26 mi. Sect. A, Hannibal-West Ely Div. of Pikes Peak Ocean to Ocean Highway, 24 ft. wide, Federal Aid Project 62, Marion Co., $78,609; building culverts on Sect. B, $11,434; rein.-con. through girder superstructure (Bear Creek Bridge) over Bear Creek, on Sta. 285 plus 12, to have one 40 ft. span, 18 ft. roadway, $7,475; rein.-con. skew through girder superstructure (Kruse Bridge) over Bear Creek, on Sta. 408 plus 22, to have one 40 ft. span, 18 ft. roadway, $6,835, rein.-con. skew through girder superstructure (Minnow Branch Bridge) over Minnow Branch, on Sta. 14 plus 52, to have one 40 ft. span, 18 ft. roadway, $7,365, all on above project. Noted Sept. 16.

★**Tex., Ft. Worth**—Tarrant Co. let contracts grading and draining 1.76 mi. Arlington-Grapevine Rd. from Trinity River north to Rock Island R.R., 24 ft. wide, to D. H. Purvis, 112½ West 9th St., $45,984; building rein.-con. drainage structures on 5.48 mi. White Settlement and Ft. Worth-Lake Dam Rd., 16 ft. wide, to Womack Constr. Co., Sherman, $50,893; building drainage structures and sub-base complete of native stone, 8 in. deep, on 8.74 mi. White Settlement Rd. from Five Mile Bridge to Parker Co. line, 16 and 24 ft. wide, to W. P. McCoy, Ft. Worth, $60,700. Noted Sept. 16.

Tex., Franklin—Robertson Co. received bids Sept. 16 improving 17.99 mi. Highway 14 from Nesbit to point 2 mi. north of Wheelock, 15 ft. wide, involving (a) 114.9 acres clearing and grubbing, grading road, 83,797 cu.yd. borrow and surfacing road with gravel, (b) building rein.-con. and steel span bridges and concrete culverts, from Haden & Austin, 727 Kress Bldg., Houston, (a) $116,419; Harris & Powell, Tyler (a and b) $184,669; Cook & Arrington, Crockett, (a and b) $186,078. Noted Sept. 2.

★**Tex., Jasper**—Jasper Co. let contract grading and building rein.-con. bridges and culverts on 12.4 mi. Highway 8 from Buna southeast to Newton Co. line, 24 ft. wide, to H. F. Bland, San Augustine, $68,434; including 10 per cent for engineering and contingencies. Noted Sept. 30.

★**Tex., Montague**—Montague Co. will grade, surface and build bridges and culverts on 3.92 mi. Highway 2D, Federal Aid Project 128C, involving 3.6 acres clearing, 23,702 cu.yd. borrow and 99 cu.yd. loose rock excav., 3,160 cu.yd. gravel, 4,999 cu.yd. clay surfacing, 12,825 lb. reinforcing and 35,744 lb. structural steel, 69.9 cu.yd. Class "A," 32.6 cu.yd. Class "B" and 33.7 cu.yd. Class "C" concrete, etc. About $50,-148; including 10 per cent for engineering and contingencies. Work will be done by day labor under supervision of W. T. Russell, co. judge.

Tex., Paris—Lamar Co. received bids Sept. 24, grading and building rein.-con. bridges and culverts on (a) 27.7 Highway 5, Fannin Co. to Red River, (1) clearing and grubbing, grading, excavating, etc., (2) rein.-con. drainage structures, (b) 4.85 mi. Highway 5, Federal Aid Project 38, (1) Topeka mixture, without curbing, (2) with

Streets and Roads (Continued)

curbing, (3) concrete pavement (c) 22.16 mi. Highway 19 from Delta Co. line to Oklahoma State line, (1) clearing and grubbing, excavating, etc., (2) rein.-con. drainage structures, (d) 4.87 mi. Highway 19 east and west of here, (1) Topeka mixtures without curbing, (2) with curbing, (3) concrete pavement, from Smith Bros. and Healey Constr. Co., c/o Smith Bros., Crockett, (a-1 and 2) $134,975, (b-1) $131,500, (2) $182,700, (3) $252,369, (c) $140,008, (d-1) $134,602, (2) $185,821, (3) $262,284; A. D. McClain Co., Houston, (a-2) $68,850, (c) $66,156; McCall-Moore Eng. Co., 308 Amicable Bldg., Waco, (a-2) $71,520, (b) $71,680, concrete curbing only, (d) $76,374, concrete curbing only; Williams, Burk & Co., Jacksonville, (c) $72,348. Noted Sept. 16.

★**Tex., Texarkana**—City Council let contract paving State Line Ave., Pine, Maple, 3rd and 7th Sts., to Taylor & Hamilton, Chicago, Ill. About $300,000. Work involves 60,000 sq.yd. asphalt concrete base. Noted Aug. 19.

★**Okla., Oklahoma**—City let contract to Western Paving Co., Terminal Bldg., paving 6½ blocks Francis Ave. from 19th St. to Lots 1 and 2, Mossman Pl., involving 6,500 sq.yd. sheet asphalt, at $3.45 per sq.yd., 2,000 cu.yd earth excav., $1.53, 500 cu.yd. embankment, $0.70, 3,800 lin.ft. straight curb, $1.25, 400 lin.ft. radical curb, $1.30, etc., total cost, $32,303.

★**Arizona**—State Highway Dept. Phoenix, let contract to M Ryan, 935 Bway., San Diego, Cal., $143,112, gravel surfacing 8.6645 mi Sect. D. Florence Superior Highway. Federal Aid Project 23, involving 46,430 cu.yd. unclassified excav. in roadway, cost $1.65 per cu.yd., 20,760 unclassified borrow excav., $1.65, 730 cu.yd. unclassified structural excav., $1.65, structures of 20 ft. span or less (State furnishing pipe), $18,885, structures over 20 ft. span (State furnishing cement and steel), $11,995. State furnished materials, $17,826; 10% for engineering and contingencies, $16,094, total cost, $177,031.

Arizona—State Highway Dept., Phoenix, received bids Sept. 4, building 8.8516 mi. Sect. A, Tuscon-Nogales Highway, Federal Aid Project 29, from West Coast Constr. Co., work involves 5,825 cu.yd. unclassified excav. in roadway, at $1.24 per cu.yd., 22,605 cu.yd. unclassified borrow excav., $1.24, etc., Alternate No. 1, 93,351 sq.yd. plain concrete pavement (State furnishing cement and rock in stock piles along subgrade) $1.85, Alternate 1 A, 93,351 sq.yd. plain concrete pavement, (State furnishing cement) (contractor furnishing rock), $2.17, Alternate 1 B, 93,351 sq.yd. plain concrete pavement (State furnishing cement) (contractor furnishing rock), $2.37, Alternate 4, 93,351 sq.yd. 2 in. bitulithic on 4 in. asphaltic concrete base, (State furnishing bitulithic and asphaltic cement) (contractor furnishing rock), $2.50, 3,460 cu.yd. Caliche or gravel shoulders, $2, structures of 20 ft. span or less (State furnishing cement and steel), $2,503, structures over 20 ft. span, (State furnishing cement and steel), $7,836, bid with Alternate 1, $227,355, State furnished material, $165,626, total cost $392,-980, bid with Alternate 1 A, $257,227, State furnished material, $104,876, total cost, $362,103, bid with Alternate 1 B, $275,897, State furnished material, $104,876, total cost $380,773, bid with Alternate 4, $287,-566, State furnished material, $49,991, total cost $336,557; McPeek, Burton & Brickman, 5,825 cu.yd. unclassified excav. in roadway, $1.50, 22,605 cu.yd. unclassified borrow excav., $1.25, etc., Alternate 1, 93,351 sq. yd. plain concrete pavement (State furnishing cement (contractor furnishing rock), $2.45, 3,460 cu.yd. Caliche or gravel shoulders, $2.50, structures of 20 ft. span or less, $3,204, structures over 20 ft. span, $10,421, subtotal, $291,584, State furnished material, $104,876; 10% for engineering and contingencies, $39,646, total cost $436,106.

★**Ariz., Florence**—Pinal Co. let contract building highway through Ray, to J. Davey, Superior, $58,920, including 10 per cent for engineering and contingencies, etc.

★**Cal., Stockton**—San Joaquin Co. let contracts grading Hammer Lane and Upper Copperopolis Rd., to C. Morlein, Stockton, $48,875 and $63,919 respectively; Waterloo Rd., to F. E. Brooks, Stockton, $30,096. Noted July 15.

Excavation and Dredging

PROPOSED WORK

Minn., Fairmont—Ditches—Martin Co. received no bids Aug. 31 building Judicial Ditch 89; no bids on tile work for Judicial Ditch 85, open work bids for Judicial Ditch 85 rejected.

Minn., Granite Falls—Ditch—Yellow Medicine Co. and Lyon Co. (Marshall) received no bids Sept. 10 building Judicial Ditch 17. About $25,000. J. Norgaard, Granite Falls, engr. Noted Sept. 2.

BIDS DESIRED

Fla., Tampa—Dredging—Until Nov. 1 by Bd. of Port Comrs. dredging for terminal construction on Ybor Channel; advertised in this issue.

Ill., Watseka—Drainage—Until Oct. 16, by L. Schafer and A. Steiner, comrs. Artesia Twp. D.D. 4, at office of C. South, clk., Iroquois Co., furnishing labor and material for building said district. Main ditch, 9,420 ft. long, involves 5,716 cu.yd. excav.; North Branch, from Sta. O to Sta. 185, 18,500 ft. long, 21,225 cu.yd. excav., also from Sta. 185 to Sta. 254 plus 60, 6,960 ft. long, 7,639 cu.yd excav.; South Branch, 23,600 ft. long, 26,444 cu.yd. excav.

Ia., Nevada—Drainage—Until Oct. 14, by F. E. King, aud. Story Co., building Sherman Twp. D.D. 98, involving 37,173 ft. 6-20 in. tile, etc. W. O. Olson, Nevada, engr.

Ia., Red Oak—Ditch—Until Oct. 15, by Bd. Supervs. Montgomery Co., building 5.5 mi. open ditch in D.D. 5, involving 185,000 cu.yd. excav. Former bids rejected. P. Ostrom, aud. Noted Sept. 16.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Ia., Council Bluffs**—Drainage—Pottawattamie Co. let contract for drainage work; Sect. 1 involves 160,000 cu.yd. excav., Sect. 2, 1,000 cu.yd. excav., to E. A. Wickham & Co., 19 Scott St., $0.22 and $0.25 respectively.

★**Ia., Eldora**—Drainage—Hardin Co. let contract building D D 55, involving 268,022 cu.yd. excav., to L. C. Wood & Co., Alden, and R. J. Phelps, Davenport; furnishing labor for building D D 70, involving 16,600 ft. 6-30 in. tile, to J. A. Jensen, 4,800 ft. 30 in. tile, to Natl. Sewer Pipe Co., 11,800 ft. 6-14 in. tile, to Eldora Pipe & Tile Co., Eldora; furnishing labor for building D D 123, involving 18,800 ft. 8-36 in tile, to Anderson & Empie, 2,900 ft. 36 in. tile, to McComb Sewer Pipe Co., 5,500 ft. 32 in. tile, to Natl. Sewer Pipe Co., 10,400 ft. 8-14 in. tile, to Eldora Pipe & Tile Co., Eldora.

★**Ia., Ft. Dodge**—Ditch—Bd. Supervs. Webster Co. let contract furnishing labor for building D D 318, involving 20,887 ft. 6-32 in. tile, to E. Johnson, Collender, tile, to McHose Sand & Tile Co., Boone; furnishing labor for building D D 287, involving 9,210 ft. 32-34 in. tile, to T. Larson, Collender, tile, to Humboldt Gravel & Tile Co., Humboldt. Noted Sept. 2.

★**Minn., Fairmont**—Ditches—Martin Co. let contract building Judicial Ditch 88 to Thompsen & Anderson, Windom, $19,447; Ditches 90 and 91 to Ceylon Cement Tile Co., Ceylon, $17,440 and $71,143 respectively; Ditch 95 to Elmore Cement & Tile Co., Elmore, $12,280. Noted Aug. 26.

★**Minn., Redwood Falls**—Ditches—Redwood Co. let contract for labor for building Judicial Ditch 25, to Hansen & Truelson, Mankato, $15,388, tile, to New Ulm Brick & Tile Co., New Ulm, $13,200; labor for building Ditch 65, to J. Gerding, Redwood Falls, $5,985, tile, to Natl. Sewer Pipe & Tile Co., Webster City, Ia., $5,285. Noted Sept. 2.

Industrial Works

PROPOSED WORK

Mass., Cambridge—A. R. Hyde & Co., 432 Columbia St., having plans prepared by Tuck & Gilman, archts., 24 School St., Boston, for 3 story, 50 x 100 ft., brick and concrete factory addition. About $75,000.

Mass., Cambridge—Kingston Knitting Co., 37 Kingston St., Boston, plans to build 3 story, rein.-con. mill, here.

Mass., Everett (Boston P. O.)—Boston Elevated Ry. Co., 108 Massachusetts Ave., Boston, having plans prepared by D. P. Robinson, engr. and archt., 125 East 46th St., New York City, for several rein.-con., brick and steel shops, rein.-con. flooring, concrete foundations. About $3,000,000.

Mass., Somerville (Boston P.O.)—C. R. Makepiece & Co., engrs., 430 Butler Exchange Bldg., Providence, soon lets contract building 1 story addition to mill, concrete, brick and steel, rein.-con. flooring, concrete foundation, for Amer. Tube Wks., Somerville Ave. About $75,000.

Mass., West Springfield (Springfield P. O.)—Company is being organized, and plans to build large paper plant, on Park St. A. Laubscher, 77 Ft. Pleasant Ave., pres. Architect not selected.

Conn., Ansonia—Amer. Brass Co., Liberty St., soon lets contract building story, 340 x 400 ft. addition to fac rein.-con. brick and steel, rein.-con. ing, concrete foundation. About $700 Private plans.

Conn., New Haven—Connecticut mant Plaster Co., River St., plans to bu story, brick and steel plant. About $150

N. Y., Brooklyn—P. Tillion & Son, ar and engrs., 103 Park Ave., New York soon let contract altering rein.-con., and steel factory, rein.-con. flooring, on St. here, for Grand Corrugated Paper 30 Crosby St., New York City. A $50,000.

N. Y., New York—A. C. Chesley & 277 Rider Ave., plans to build 2 story, 200 ft., brick, rein.-con. and steel fact rein.-con. flooring, concrete foundation 132nd St. and Cypress Ave. About $ 000. Architect not selected.

N. J., Newark—Natl. Lock Washer 65 Johnson St., having plans prepared Fletcher-Thompson, Inc., archts. and engrs 1089 Broad St., Bridgeport, Conn., for larg concrete and brick addition to plant.

N. J., Trenton—Gasser Mfg. Co. having plans prepared by W. A. Klemann, archt. 1st Natl. Bank, for 1 story, 100 x 100 ft factory. About $85,000.

Pa., Johnstown—Johnstown Sanitary Dairy Co. having plans and specifications made by McCormick Co., archts., Century Bldg., Pittsburgh, for alterations and additions to 2 story, brick and steel factory on Somerset St. Cost between $50,000 and $60,000.

Ga., Trion—Trion Co., Inc., having plans prepared by Jackson & Moreland, engrs. 387 Washington St., Boston, Mass. for large 1 story rein.-con. and brick addition to power plant.

O., Cincinnati—Truck Delivery Co., 4424 Ashland Ave., Norwood, had plans prepared by C. M. Foster, archt. and engr. 112 East 4th St., for 1 story, 140 x 229 ft. rein.-con. garage, rein.-con. flooring, concrete foundation, on Hopkins Ave. and Montgomery Rd. About $70,000.

O., Cleveland—Allen Theatre Enterprises, Richmond East St., Toronto, Ont., plan to construct power plant for theatre and commercial building on Euclid Ave. and East 14th St. here. About $350,000. A. M. Allen Co., 1900 Euclid Ave., engrs.

O., Cleveland—J. De Kaiser, East Ohio Gas Bldg., plans to build 2 story, brick and steel factory, brick foundation, on East 34th St. and Payne Ave. About $50,000. Architect not selected.

O., Cleveland—Natl. Power Mchy. Co., 1914 Scranton Rd., plans to build warehouse, to have 50,000 sq.ft. floor space.

O., Sidney—Wagner Mfg. Co. having plans prepared by E. McGeorge, archt. and engr., 1900 Euclid Ave., Cleveland, for 1 story, 80 x 180 ft., rein.-con., brick and steel foundry, rein.-con. flooring, brick and concrete foundation. About $75,000.

Ind., Ft. Wayne—International Harvester Co. of America, Inc., 606 South Michigan Ave., Chicago, retained Day & Zimmerman, engrs., 611 Chestnut St., Phila., Pa., to design and supervise the construction of proposed motor truck manufacturing plant, on 140 acre site here.

Ill., Rock Island—Rock Island Transfer & Storage Co., 124 West 17th St., plans to build 5 story, 75 x 130 ft. concrete warehouse. About $90,000. B. L. Burke, pres.

Wis., Camp Douglas—Wisconsin Natl. Guard having plans prepared by H. Hengels, state military archt. and engr., 425 East Water St., Milwaukee, for 1 story, 45 x 50 ft., brick and tile power and engine house, concrete flooring and foundation.

Wis., Manitowoc—Drost Box Mfg. Co., 1116 South 9th St., plans to build 3 story, 120 x 260 ft., brick, rein.-con. and steel factory, brick foundation. About $50,000. Architect not selected.

Wis., Milwaukee—City having plans prepared by Sewerage Comn., for 100 x 225 ft. electric power plant. Plans will be prepared later for boiler house, to have six 500-600 hp. boilers; both on Jones Island. T. C. Hatton, city engr.

Wis., Milwaukee—Modern Steel Casting Co., 1400 33rd St., plans to build 1 story, 80 x 500 ft. or 70 x 350 ft. brick and steel foundry, concrete foundation. Private plans.

Wis., Milwaukee—Backer & Pfaller, archts., 216 West Water St., opens bids about Oct. 12, building 1 story, 90 x 150 ft. brick factory, concrete foundation, on State St., for Shope Brick Co., 216 West Water St.

Industrial Works (Continued)

Wis., Milwaukee—Viktry Mfg. Co., 38th St. and Hillside Lane plans to build 1 story, 50 x 158 ft. brick factory, rein.-con. flooring, concrete foundation, on 38th St., C. Malig, 745 45th St., archt.

Kan., Burlingame—City having plans prepared by Black & Veatch, engrs., Mutual Bldg., Kansas City, Mo., for power plant. About $70,000. L. E. Doty, clk.

Kan., Wellington—City having plans prepared by Johnson & Benham, engrs., Firestone Bldg., Kansas City, Mo., for power plant. About $60,000. L. A. Walton, clk.

Mo., St. Louis—Metallic Industries, Inc., 2209 Pine St., plan to build toy factory. About $100,000. G. C. Hosch, pres. Architect not selected.

Ark., Ft. Smith—Ft. Smith Furniture Co. plans to build 2 story, 60 x 220 ft. brick and mill construction plant. About $7[illegible],000.

Tex., Dallas—A. Marshall, Oklahoma, Okla., having plans prepared for 2 story ice cream factory and milk handling station, brick, on Kentucky St. here. About $100,000.

Okla., Tulsa—Boley Bros., 110 West California Ave., plan to build factory. About $150,000. Architect not selected.

BIDS DESIRED

Mass., Boston—Downes Lumber Co., 470 Harrison Ave. receiving bids building 1 story, rein.-con., brick and steel warehouse, rein.-con. flooring, concrete foundation, on Harrison Ave. About $50,000. Warren & Gerrish, c/o Warren Terminal Wharf Co., Charlestown, archts.

Mass., Worcester—Conroy Motor Co., 671 Main St., receiving bids building 2 story, 90 x 150 ft. garage and service station, brick, stone, steel and concrete, rein.-con. flooring, concrete foundation, on Wellington St. About $100,000. A. F. Gray, 53 State St., Boston, archt. and engr.

Conn., Hartford—Until Oct. 19, by Bd. Contract & Supply, building 2 story, 50 x 129 ft., brick, concrete and steel machine shop, rein.-con. flooring, concrete foundation, on John St. About $125,000. Whiton & McMahon, 36 Pearl St., archts.

Pa., Pekerstown—Pittsburgh Cut Flower Co., receiving bids building 57 x 72 ft. boiler house, brick and steel, rein.-con. flooring. Cost between $60,000 and $75,000. C. Bickel, May Bldg., Pittsburgh, archt.

Md., Baltimore—Amer. Ice Co., Calvert Bldg., receiving bids constructing 33 x 82 x 99 ft., storage building, 82 ft. high, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Montford Ave. near Chase St. About $200,000. W. Mortenzen, 209 West 76th St., New York City, archt. and engr.

W. Va., McDonald—New River Co. receiving bids building 1 story brick and steel factory and machine shop to cover 35,000 sq. ft. floor space. Cost between $225,000 and $250,000. Private plans.

Fla., Jacksonville—Ford Motor Co., Highland Park, Detroit, Mich., receiving bids building 2 story, rein.-con. and brick assembling plant, concrete flooring, here. About $250,000.

Wis., Jackson—Until Oct. 18, by Jackson Canning Co., building 1 story, 80 x 130 ft. brick and timber warehouse, rein.-con. flooring, concrete foundation. H. Miller, 646-24th St. Milwaukee, archt.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Me., Madison**—Madison Woolen Co. let contract building 2 story, 70 x 160 ft., brick and concrete warehouse, concrete foundation, to McNally Bldg. Co., 41 Concord St., Framingham, Mass. About $75,000.

★**Vt., Barton**—Nickel & Cross, 457 West 45th St., New York City, let contract constructing 3 story mill building, boiler house and dry kiln, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, to Flynt Bldg. and Constr. Co., Palmer, Mass. About $100,000.

★**Mass., Athol**—Union Twist Drill Co., 70 Monroe St., let contract building 1 story, 60 x 112 ft., brick and concrete factory, concrete flooring and foundation, to E. J. Cross Co., Foster St., Worcester. About $50,000.

★**Mass., Boston**—Tileston Estate, 240 Purchase St., let contract altering mercantile building to D. H. Jacob & Son, 77 Summer St. About $150,000.

★**Mass., Lynn**—General Electric Co., 84 State St., West Lynn, let contract building 1 story, 130 x 250 ft. factory addition with 12 x 20 ft., 13 x 40 ft. and 40 x 40 ft. ells, concrete, brick and steel, rein.-con. flooring, concrete foundation, to Langan & Shaw Constr. Co., 89 Boylston St., Boston. About $150,000. Noted Sept. 2.

★**Mass., New Bedford**—Whitman Mills Corp. let contract constructing 2 story, 60 x 140 ft. addition to waste building, brick and concrete, rein.-con. flooring, concrete foundation, on Coffin Ave., to E. H. Kelley, Box 820. About $75,000.

★**Conn., New Britain**—New Britain Lumber & Coal Co., 301 Park St., let contract building 2 story, 35 x 150 ft., brick, concrete and steel garage, rein.-con. flooring, concrete foundation, to A. Bergstrom, 47 Trinity St. About $50,000.

★**N. Y., Brooklyn**—C and K Bldg. Co., c/o E. M. Adelsohn, archt., 1778 Pitkin Ave., will build 1 story, brick and steel garage and shop, rein.-con. flooring, concrete foundation. About $60,000. Work will be done by day labor.

★**N. Y., Buffalo**—Pugeout Co. of Amer. let contract constructing 1 story, 120 x 460 ft. plant, hydraulic steel and brick, concrete foundation, to Hydraulic Steelcraft Co., Hydraulic Ave., Cleveland, O.

N. Y., Buffalo—State Hospital Comm., Capitol, Albany, received bids Sept. 29 building addition to heating plant here from Moran & Gibbs, 608 Niagara Life Bldg., $162,300; J. W. Danforth Co., 70 Ellicott St., $168,710; G. H. Drake, 218 Lexington Ave., $174,375; coal and ash handling equipment, from Equity Eng. Co., 30 Church St., New York City, $41,778; Guarantee Constr. Co., 140 Cedar St., New York City, $69,980. Noted Aug. 26.

★**N. Y., New York**—H. Birdsall, 182 West St., will alter and build additional story to existing 3 story 100 x 110 ft. garage, rein.-con. brick and steel, rein.-con. flooring, on Thompson Ave. About $60,000. Work will be done by day labor.

★**N. Y., New York**—Bway. and 126th St. Corp., 1057 Bryant Ave., will build 2 story, 100 x 150 ft., rein.-con., brick and steel garage, rein.-con. flooring, concrete foundation, on Bway. and 126th St. About $150,000. Work will be done by day labor.

★**N. Y., New York**—P. Doelger Realty Co., c/o Earle & Calhoun, 212 West 72d St., let contract building 4 story, 100 x 100 ft. factory (for lease), rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on 56th St. and Ave. A, to Sherman Sq. Constr. Co., 176 West 72d St. About $150,000.

★**N. Y., New York**—Exide Battery, 101 West End Ave., let contracts building 2 story, 115 x 125 ft. concrete and brick garage, on Spring and Clark Sts., also 2 story, 100 x 100 ft., rein.-con., on 55th and 3rd Ave., to W. Steele & Sons Co., 16th and Arch Sts., Phila.

★**N. Y., New York**—Fort Lee Ferry Garage Co., 619 West 129th St., will build 2 story, 120 x 260 ft., brick and steel garage, rein.-con. flooring, concrete foundation, on Moylan Pl. About $350,000. Work will be done by day labor.

★**N. Y., New York**—J. Ruppert, Inc., 1639 2nd Ave., let contract building 2 story, 50 x 200 ft. auto repair shop, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, at 243 East 90th St., to E. S. Murphy Bldg. Co., 407 East 101st St. About $50,000.

★**Pa., Phila.**—Daniels Motor Co., 3rd St., Reading, let contract building 1 and 2 story, 40 x 100 ft., 80 x 125 ft. and 80 x 485 ft. factory, office and assembling plant, slow burning construction, on Westmoreland St. and Huntingdon Park., here, to W. Steele & Sons Co., 16th and Arch Sts.

★**Pa., Phila.**—Dill & Collins, Richmond and Tioga Sts., let contract building 3 story, 28 x 58 ft. filter and pulp mill, concrete and brick, on Manayunk St., to W. Steele & Sons Co., 16th and Arch Sts.

Pa., Philadelphia—Reyburn Mfg. Co., 23d and Allegheny Sts., let contract constructing 1 story, 80 x 224 ft. manufacturing building, 4 story, 80 x 340 ft. warehouse and 1 story, 30 x 100 ft. garage and power house, rein.-con and brick, to W. Steele & Sons Co., 16th and Arch Sts.

★**Fla., Moncrief** (Jacksonville P. O.)—Federal Ice & Refrigerating Co., Chicago, let contract building 2 story, 100 x 400 ft., rein.-con. and brick plant, rein.-con. flooring, here, to Blome, Sineck Co., City Hall Sq. Bldg., Chicago. About $150,000. E. B. Dowd, Box 95, Florida representative for contractor.

★**Tenn., Memphis**—Dixie Rubber Co. let contract constructing 1 story, 75 x 290 ft. plant, hydraulic steel, concrete foundation, to Hydraulic Steelcraft Co., Hydraulic Ave., Cleveland, O.

★**O., Cleveland**—Accurate Machine Co., 13306 Coit Rd., let contract building 1 story, 60 x 180 ft., brick and steel factory, brick foundation, to Austin Co., 16112 Euclid Ave. About $75,000.

★**O., Cleveland**—Commercial Bookbinding Co., 2231 West 110th St., let contract building 2 story, 48 x 110 ft., brick and steel, factory, brick foundation, to B. Witt, 1635 Belmar Rd. About $50,000. Noted Sept. 16.

★**O., Columbus**—Amer. Rolling Mill Co., Parsons Ave. along tracks of Toledo & Ohio Central R.R., let contract building rein.-con., brick and steel extension to plant, rein.-con. flooring, concrete foundation to D. P. Robinson, 125 East 46th St., New York City. About $300,000.

★**Ind., Indianapolis**—Capitol Lumber Co. 1712 West New York St., will build 1 story 60 x 100 ft. and 20 x 150 ft. frame and concrete mill on 48th St. About $50,000. Work will be done by day labor.

★**Ind., Indianapolis**—Kingan & Co., Ltd., Maryland St., will build 6 story, 40 x 56 ft. pickling factory, rein.-con and brick, rein.-con. flooring, on West Georgia St. About $74,000. Work will be done by day labor.

★**Ill., Chicago**—Chicago & Alton R.R., 608 South Dearborn St., let contract building rein.-con. and steel warehouse, rein.-con. flooring, concrete foundation, to D. P. Robinson, 125 East 46th St., New York City. About $1,000,000.

★**Wis., Fond du Lac**—J. B. Fellrath, 180 North Main St., will build 1 and 2 story, 70 x 120 ft. block manufacturing plant, concrete and mill construction, concrete foundation, on Brook St. Work will be done by day labor.

★**Wis., Horicon**—Van Brunt Mfg. Co. will build 1 story, 80 x 200 ft. addition to foundry and 40 x 80 ft. kiln, brick and steel, concrete foundation. Work will be done by day labor.

★**Wis., Milwaukee**—Milwaukee Boiler Mfg. Co., 220 Oregon St., let contract building 1 story, 140 x 180 ft., brick and steel boiler shop, concrete flooring and foundation, on 35th Ave., to Wisconsin Bridge & Iron Co., North Milwaukee. About $150,000.

★**Wis., West Bend**—Buemming & Guth, archts., 521 Jackson St., Milwaukee, let contract to P. Berres, West Bend, building 1 story, 100 x 300 ft., concrete and mill construction factory, rein.-con. flooring, concrete foundation, for Schmidt & Storck Wagon Co., Mill St. Noted Sept. 23.

★**Neb., Minatare**—Great Western Sugar Co., Sugar Bldg., Denver, Col., will build factory here. About $2,000,000. Work will be done by day labor. Noted Aug. 19.

★**Mo., Kansas City**—Corn Products Refining Co., 17 Battery Pl., New York City, will build rein.-con. and steel plant, rein.-con. flooring, concrete foundation. About $500,000. Work will be done by day labor.

★**Tex., El Paso**—See "Buildings."

★**Tex., Gonzales**—F. E. Shuler Grain Co. will construct 2 story grain elevator, grist mill, corn sheller and shuck baling plant, frame. About $50,000. Work will be done day labor.

★**Col., Johnstown**—Great Western Sugar Co., Sugar Bldg., Denver, Col., will build factory here. About $2,000,000. Work will be done by day labor.

★**Ont., Toronto**—Exide Battery Co., 101 West End Ave., New York City, let contract building 2 story, 80 x 200 ft., rein.-con. garage here, to W. Steele & Sons, 312 Ryrie Bldg.

Buildings

PROPOSED WORK

Me., Saco—Auditorium—Masonic Order of Saco plans to build brick and steel, on Thornton Ave. About $100,000.

Me., Saco—School—City plans to build brick and steel. About $100,000. Architect not selected.

Mass., Boston—Municipal—Pub. Bldg. Dept., City Hall Annex, plans to build brick, stone and steel on Shawmut Ave. About $400,000. Architect not selected.

Mass., Roxbury (Boston, P. O.)—Nurses Home—Children Hospital, 300 Longwood Ave., plans to build nurses' home and servants' quarters, brick and concrete. About $600,000. Architect not selected.

Mass., Somerset—School—Town plans to build 2 story, brick and steel. E. M. Corbett, 70 Bedford St., Fall River, archt.

Mass., Springfield—Church—Springfield Roman Catholic Diocese plans to build church on St. James Ave. About $150,000. T. D. Bearen, bishop. Architect not selected.

R. I., Newport—School—McKim, Mead & White, archts., 101 Park Ave., New York City, will soon award the contract building 3 story, brick, rein.-con. and steel, rein.-con. flooring, concrete foundation, on Purgatory Rd., for St. Georges School. About $200,000.

Buildings (Continued)

R. I., North Providence (Providence P. O.)—Convents—Franciscan Missionery, having plans prepared by T. S. McLoughlan, archt., 507 Union Trust Bldg., Providence, for brick, concrete and steel buildings on Fruit Hill Ave. About $500,000.

Conn., Hartford — Seminary — Hartford Theological Seminary, 1507 Broad St., plans to build brick and steel addition. About $150,000. Architect not selected.

Conn., New Britain — Hospital — New Britain General Hospital, 92 Grand St., plans to build hospital addition. About $150,000. Architect not selected.

N. Y., Brooklyn—Office—W. Higginson, archt. and engr., 18 East 41st St., New York City, soon lets contract for extensive alterations, brick and stone, to 43 Front St., here, for Arbuckle Bros., Jay St.

N. Y., Rochester—Theatre—Loews Enterprises, 1493 Bway., New York City, having sketches made by T. W. Lamb, archt., 644 8th Ave., New York City, for brick, steel and stone, here. About $400,000.

Pa., Uniontown—Hospital—Uniontown Hospital opens bids about Feb. 1, building 3 story, 60 x 170 ft. addition, brick and stone. About $300,000. H. Altman, Uniontown, archt.

Ala., Birmingham — Auditorium — City Comn. plans to build brick and stone, concrete foundation. About $500,000. T. W. Lamb, 644 8th Ave., New York City, archt.

Tenn., Memphis — College—Southwestern Presbyterian College, Clarksville, plans to build 1, 2 and 3 story various sized brick, stone and steel buildings here. About $5,000,000. Cram & Ferguson, 15 Beacon St., Boston, archts.

O., Cleveland—Bank and Office—Bway. Savings & Trust Co., East 55th St. and Bway., had plans prepared by Walker & Weeks, archts., 1900 Euclid Ave., for 8 story, 80 x 150 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation. About $400,000. M. Stafford, pres.

O., Cleveland—Home—Y. M. & Y. W. H. A., c/o A. A. Woldman, atty., Amer. Trust Bldg., plan to build 2 story, brick, steel and stone, brick foundation. About $100,000. Architect not selected.

O., Cleveland—Office—A. Teller Co., Leader-News Bldg., plans to build 10 story, rein.-con., brick and steel, rein.-con. flooring, concrete and brick foundation. About $1,000,000. Architect not selected.

O., Cleveland—Theatre—P. Gusdonovic Co., Sloan Bldg., plans to build 1 story, 70 x 140 ft., rein.-con., brick and steel, rein.-con. flooring, brick and concrete foundation. About $100,000. Architect not selected.

O., Cleveland—Theatre and Office—F. M. Drew and W. T. Campbell, owners of Star Theatre, Euclid Ave., plan to build 20 story, rein.-con., brick and steel, rein.-con. flooring, brick and concrete foundation, on East 18th St. and Euclid Ave. About $5,000,000. Architects name withheld.

O., Clintonville—School—Bd. Educ. having plans prepared by D. Riebel & Sons, archts., New 1st. Natl. Bank Bldg., Columbus, for 2 story, 100 x 200 ft., brick and concrete, on North High St. About $265,000. E. W. MacFadden, clk. Noted Sept. 16.

O., Green Camp—School—Bd. Educ. having sketches made by O. D. Howard, archt., 8 East Broad St., Columbus, remodeling school. About $100,000. C. G. Ritzler, pres.

Ind., Marion—Bank—First Natl. Bank having preliminary plans prepared by Hoggson Bros., archts. and engrs., 485 5th Ave., New York City, for 1 story, brick and stone, brick foundation. About $300,000.

Ind., Terre Haute—Bank and Office—Citizens Trust Co., 612 Wabash Av., having preliminary drawings prepared by Hoggson Bros., archts. and engrs., 485 5th Ave., New York City, for 12 story, brick, steel and stone. About $500,000.

Mich., Detroit—Market—Detroit Market House Co., 385 Clay St., having plans prepared by A. C. Bishop & Co., archts and engrs., Guardian Bldg., Cleveland, O., for 1 story, brick and steel, brick foundation. About $100,000.

Ill., Alton—Hospital—Alton State Hospital plans to construct hospital, to include 6 ward buildings, 2 infirmaries and 1 building for tubercular patients. About $300,000. G. A. Zeller, supt. Architect not selected.

Wis., Eau Claire—Theatre—J. Walter, 605 North Barstow St., having preliminary plans prepared by C. W. and G. L. Rapp, archts., 190 North State St., Chicago, for brick and concrete, rein.-con. flooring, concrete foundation. About $200,000.

Wis., Elk River — School — Union Free High School plans to build high and vocational school, probably 4 story, brick, rein.-con., steel and stone, concrete foundation, on Main St. C. A. Adams, clk. Architect not selected.

Wis., Goodman — High School — School Dist. plans to build brick and concrete, rein.-con. flooring, concrete foundation. About $100,000. J. Gomber, clk. Architect and engineer not selected.

Wis., Neenah—High School—School Bd. plans to build junior high school, 2 story, concrete and brick, rein.-con. flooring, concrete foundation, on South Commercial St. About $200,000. L. J. Pinkerton, clk. Architect and engineer not selected.

Wis., Neillsville — School and Chapel — Reformed Church of United States plans to build 2-3 story, 60 x 250 ft., brick, rein.-con. and stone, brick foundation, on Main St. About $100,000. O. Grether, local pastor. Architect not selected.

Wis., Racine—Church and School—Jewish Congregation, c/o D. Greenberg, 615 Wisconsin St., plans to build 2 story, brick, rein.-con. flooring, concrete foundation. About $100,000.

Ia., Anamosa—Courthouse—Jones Co. having plans prepared by W. E. Hulse & Co., archts., Des Moines, for 2 story, 80 x 100 ft., rein.-con., concrete, brick and steel, rein.-con. flooring, concrete foundation. About $375,000.

Ia., Cedar Rapids—High School—Bd. Educ. soon receives bids building Junior High School, 3 story 124 x 204 ft., rein.-con. and brick. About $400,000. Rugh & Zalesky, 811 Securities Bldg., archts. K. Mategil, secy.

Ia., Charitor — School — Bd. Educ. plans to build school. About $185,000. Architect and engineer not selected.

Ia., Dunkerton—High School—Bd. Educ. having plans prepared by H. B. Burr, archt., Commercial Bank Bldg., Waterloo, for 2 story, 80 x 130 ft., brick, rein.-con. and steel, rein.-con flooring, concrete foundation. About $100,000.

Ia., Sioux City—Office—Natl. Fidelity Life Insurance Co., 216 Trimble Blk., having plans prepared by W. S. Steele, archt., Union Bank Bldg., for 3 story (ultimately 10 story), 50 x 95 ft., rein.-con., concrete, brick and steel, rein.-con. flooring, concrete foundation. About $250,000.

Ia., Sioux City—Temple—York Rite Masonic Assn. having plans prepared by Beuttler & Arnold, archts., 235 Grain Exch. Bldg., for 3 story, 150 x 150 ft., brick, rein.-con. and steel, rein.-con. flooring, concrete foundation. About $400,000.

Ia., Wapello — Court House — Louisa Co. plans to build court house. About $300,000. Architect and engineer not selected.

Ia., Waterloo—School—Bd. Educ. plans to build school. About $115,000. Architect not selected.

Minn., Minneapolis — Hotel — Donald Hotel, 1501 Vine Pl., having plans prepared by A. Rose, archt., Builders Exch., for 3 story, 66 x 120 ft., rein.-con. and brick addition. About $100,000.

Kan., Iola—Hall—Allen Co. plans to build memorial hall. About $125,000. Architect not selected.

Kan., Kansas City—Hotel—Grund Hotel, 6th and Ann Sts., having plans prepared by Hart, Price & Barnes, archts., Reliance Bldg., Kansas City, Mo., for remodeling and building 3 story, 150 x 156 ft. concrete and brick addition. About $600,000.

S. D., Egan—School—City voted $100,000 bonds to build 2 story, high and grade school. Architect not selected.

Mo., Kansas City—Church—Epworth Methodist Episcopal Congregation having plans prepared by Brostrom & Drotts, archts., Reliance Bldg., for 3 story, 54 x 72 ft., on 49th and Genesee Sts.

Mo., Kansas City—Hospital—J. G. Sheldon, 1111 Rialto Bldg., having plans prepared for 50 room hospital on 25th and Locust Sts. Architect's name withheld.

Mo., St. Louis—Bank and Office—J. C. Reed, pres. Southern Hardware & Supply Co., 17th and Olive Sts., is interested in syndicate which plans to construct brick bank and office building on 18th and Olive Sts. About $200,000. Architect not selected.

Tex., Austin—Lodge—I. O. O. F. having plans prepared by J. F. Walker, archt., 801 Patterson St., for 2 story, 38 x 120 ft., rein.-con., brick, steel and stone, rock foundation, on 9th and Brazos Sts. About $100,000.

Tex., Austin — School — University of Texas, Bd. Regents, having plans prepared by G. A. Endress, archt., Littlefield Bldg., for school of chemistry, 3 story, 70 x [illegible] ft., brick, rein.-con. and steel, rein.-con. flooring, on campus. Cost to exceed $3[illegible] 000.

Okla., Ardmore—Church—First Methodist Episcopal Congregational Church had plans prepared by Hawk & Parr, archts., 501 Security Bldg., Oklahoma, for 2 story, 8[illegible] 165 ft., brick, stone and concrete, rein.-con. flooring, brick foundation, on Main St. and Bway. About $235,000.

Okla., Okmulgee—Library—City having plans prepared by Smith, Rea, Lovitt & Senter, archts., 303 Parkinson Bldg. for 1 story, 45 x 100 ft., brick, rein.-con. and steel, rein.-con. flooring, on 8th and Okmulgee Sts. About $100,000.

Okla., Tulsa—Temple—Tulsa Masonic Bldg. Assn., 205 Kennedy Bldg., having plans prepared by R. G. Schmidt & Co., archts., 104 South Michigan Ave., Chicago, Ill., for 3 story, 100 x 140 ft., brick, rein.-con. and steel, rein.-con. flooring, on 7th and Boston Sts. About $500,000.

Col., Denver—High School—City and Denver Co. having plans prepared and received bids latter part of October, building North Side Jr. High School, 2 story, 125 x 350 ft., rein.-con., brick and steel, brick foundation, on West 40th and King Sts. About $500,000. H. G. Edwards, 1172 Stout St., archt.

Col., Denver—Temple—Rocky Mt. Consistory 2, 16th and Grant Sts., had plans prepared for 6 story, 116 x 171 ft., rein.-con. and steel, rein.-con. flooring. Cost between $650,000 and $800,000. Gardner & Parry, 209 Guardian Trust Bldg., engr.

N. S., Pictou—Bank—Royal Bank of Canada, St. James St., Montreal, Que., soon receives bids building 2 story, 50 x 75 ft brick, steel and granite, concrete foundation, here.

Que., Montreal — Hospital — St. Justine Hospital, St. Denis St., soon recevies bids building 4 story, brick, steel and stone addition. About $200,000.

Que., Montreal—Hotel—United Hotel Co. of America having plans prepared by Ross & McDonald, archts., 1 Belmont St., for 10 story, 252 x 330 ft. concrete, brick and steel, on Peel, Burnside and Metcalfe Sts. About $1,600,000.

Que., Montreal—Market—Administration Comn. plans to enlarge Bonsecours Market. About $400,000. R. Bauset, city clk.

B. C., Prince Rupert — Court House — Provincial Government, Victoria, having plans prepared by H. Whitaker, archt., Pub. Wks. Dept., Victoria, and receives bids about Oct. 15 building 4 story, rein.-con., brick, tile and stone, rein.-con. flooring, concrete foundation here. About $400,000. A. E. Foreman, Pub. Wks. Dept., Victoria, engr.

B. C., Victoria—Theatre—British Columbia Paramount Theatres, Ltd., 963 Granville St., Vancouver, receives bids about Oct. 20 building 2 story, 60 x 143 ft., concrete, brick and steel, rein.-con. flooring, concrete foundation. About $300,000. J. M. Jeffrey, 348 Confederation Life Bldg., Toronto, Ont., archt.

BIDS DESIRED

R. I., Providence—School—Until Oct. 11, by Pub. Bldg. Dept., constructing 3 story, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Kenyon and Arthur Aves. About $700,000.

Conn., New Haven—Association—Knights of Columbus, 956 Chapel St., receiving bids building 4 story, 100 x 140 ft., brick, concrete and steel, rein.-con. flooring, concrete foundation, on Church and Wall Sts. About $250,000. W. J. Gugglor, Liberty Bldg., archt. Noted Sept. 23.

N. Y., New York—School—Until Oct. 18, by C. B. J. Snyder, supt. School Bldgs., Municipal Bldg., constructing P. S. 60, on Stebbins Ave. near East 163rd St., Bronx Boro.

N. J., Tenafly—School—Until Oct. 27, by Bd. Educ., building school. N. M. F. Dennis, dist. clk.; advertised in this issue.

Pa., Chambersburg—School—Until Oct. 21, by School Bd., building 1 story, 10 room, brick, concrete foundation. H. G. Kilmer, 402 Trust Bldg., archt.; advertised in this issue.

Pa., Scranton—School—Until Oct. 25, by School Bd., building 2 story, 72 x 100 ft., on Wilbur St. About $125,000. L. M. Davis, 616 Spruce St., archt.

Md., Baltimore—Hospital—Until Oct. 11, by J. E. Sperry, archt., 409 Calvert Bldg., constructing 7 story, 70 x 185 ft. addition to Woman's Hospital, brick, stone and steel, concrete foundation, on Wolfe and Monument Sts., for Johns Hopkins Hospital. Noted Aug. 26.

Buildings (Continued)

Md., Baltimore—Office—Until Oct. 21, by Wyatt & Nolting, archts., 1012 Keyser Bldg., constructing 3 story (ultimately 12 story) steel, brick and stone, concrete foundation, on Calvert and Mercer Sts., for United States Fidelity & Guaranty Co., Calvert and Redwood Sts. About $300,000. H. F. Doeleman, 507 North Charles St., engr. Noted June 24.

Md., Baltimore—Synagogue—Until Oct. 11, by J. E. Sperry, archt., 409 Calvert Bldg., constructing 1 and 2 story, 85 x 115 ft., rein.-con., brick and steel, concrete foundation, on Eutaw Pl. and Chauncey Ave., for Chizuk Amuno Congregation. About $400,000. W. Levy, 2352 Eutaw Pl., chn. bldg. com.

Ga., Atlanta—Bank—Until Oct. 16, by R. S. Pringle, archt. and engr., Empire Bldg., constructing brick, steel and stone, for Fulton Natl. Bank, Empire Bldg. About $300,000.

O., Cleveland—Bank and Office—Citizens Savings & Trust Co., c/o A. Smith, East 9th St. and Euclid Ave., receiving preliminary bids building 10 story, rein.-con., brick and steel, rein.-con. flooring, brick and concrete foundation, on East 101st St. and Euclid Ave. About $1,000,000. Walker & Weeks, 1900 Euclid Ave., archts. Noted July 15.

O., Cleveland Heights (Warrensville P. O.)—Schools—Until Oct. 20, by Bd. Educ., Lee Rd., building 4 story, 35 x 90 ft. addition, on Coventry Rd., cost $150,000, also 2 story, 8 room addition, to have two 35 x 70 ft. wings, on Fairfax Rd., $200,000, rein.-con. brick and steel, rein.-con. flooring, brick and concrete foundations. E. K. Bryan, clk. F. C. Warner, Hippodrome Annex Bldg., archt. Noted Sept. 30.

O., Elyria—School—Until Oct. 18, by Bd. Educ. building 2 story, 100 x 201 ft., rein.-con., brick and steel, rein.-con. flooring, brick and concrete foundation, on Gulf Rd. and Ohio St. About $300,000. S. S. Rockwood, clk. R. S. Silsby, Bank Bldg., Lorain, archt.

O., Fairport—Commercial and Theatre—Until Oct. 10 by R. H. Hinsdale, archt., Bangor Bldg., Cleveland, building 2 story, 44 x 112 ft., rein.-con., brick and steel, rein.-con. flooring, brick and concrete foundation, for E. E. Lawrence. About $100,000. Noted Aug. 26.

Ia., Ft. Dodge—High School—Until Oct. 27, by Bd. Educ., building 3 story, 190 x 260 ft. rein.-con., brick and stone. About $650,000. W. B. Ittner, Bd. Educ. Bldg., St. Louis, Mo., and Damon & O'Meara, 14 East Mason Bldg., Ft. Dodge, archts.

Minn., Minneapolis—Music—Until Oct. 14, by State Bd. Control, Capitol, St. Paul, building 3 story, 95 x 160 ft. rein.-con., brick and stone, on State University Campus, here. About $500,000. C. H. Johnston, 715 Capitol Bldg., St. Paul, archt. C. L. Pillsbury Co., 805 Metropolitan Bank Bldg., engrs.

Kan., Topeka—Hospital and Detention—T. W. Williamson & Co., archts., 418 Central Natl. Bank Bldg., has been retained as local superintendent and is receiving bids for constructing hospital and detention building, to include isolation ward, garage and power house, rein.-con. and brick, concrete foundation, for Security Benefit Assn., Topeka. About $300,000. Schmidt, Garden & Martin, 104 South Michigan Ave., Chicago, archts. Noted Sept. 9.

PRICES AND CONTRACTS AWARDED

(★Indicates award or contract)

★**Mass., Clinton**—Housing—Lancaster Mills, 1 Green St., let contract building 2 story, houses for workmen, to General Bldg. Co. 522 Harrison Ave., Boston. About $100,000. Noted Aug. 5.

★**Mass., Fall River**—Hospital—Truesdale Hospital Corp., 151 Rock St., let contract building 3 story, 40 x 100 ft., concrete, brick and steel, rein.-con. flooring, concrete foundation, to J. W. Bishop Co., 109 Foster St., Worcester. About $150,000. Noted July 8.

★**Mass., Palmer**—Housing—Wickwire-Spencer Steel Corp., 69 Hammond St., Worcester, will build 2 story houses for workmen, brick and timber, concrete foundations here. About $100,000. Work will be done by day labor.

★**Conn., Hartford**—Bank and Office—Hartford-Connecticut Trust Co., 779 Main St., let contract building 15 and 17 story, 90 x 110 ft., brick, rein.-con. and steel, rein.-con. flooring, concrete foundation, on Central Row and Main St., to Marc Eidlitz & Sons Co. 30 East 42nd St., New York City. About $2,000,000.

★**N. Y., Brooklyn**—Hospital—Dept. Pub. Welfare let contract building hospital on New Cumberland St. here to 174th St. Constr. Co., 35 Nassau St., New York City. About $663,000. Noted Sept. 23.

★**N. Y., New York**—Church—Church of Christ Scientist, c/o B. E. Muller, archt., 477 5th Ave., will build 75 x 95 ft., brick and stone, on Anthony Ave. About $300,000. Work will be done by day labor.

★**N. Y., New York**—Hotel—Plaza Hotel, 58th St. and 5th Ave., let contract altering and building addition, brick, steel and stone, to G. A. Fuller Co., 175 5th Ave. About $250,000.

★**N. Y., New York**—Office—Union Indemnity Co., New Orleans, La., let contract building 8 story brick, steel and stone, at 96 Maiden Lane, here, to H. C. Vought, Grand Central Terminal Bldg. About $350,000.

★**N. Y., New York**—Office and Showroom—A. Z. A. Realty Co., 31 East 27th St., will build 12 story, 25 x 45 ft., brick, steel and stone, at 415 Lexington Ave. About $600,000. Work will be done by day labor.

★**N. J., New Brunswick**—Theatre—W. Reade, 112 West 34th St., New York City, let contract building 1 story, 100 x 235 ft. brick and steel, brick foundation on Livingston Ave. to C. Brown, Campbell Ave., Long Branch. About $500,000. Noted Sept. 23.

★**Pa., Phila.**—Office—See "Industrial Works."

★**Md., Leonardtown**—Bank—First Natl. Bank of St. Marys Co. let contract building 2 story, 35 x 42 ft., rein.-con., brick and steel, concrete foundation to Frainie Bros. & Haigley, 20 Clay St., Baltimore. About $100,000. Noted June 9.

★**O., Cleveland**—School—St. Georges Church, c/o J. Wikittle, East 21st St. and Oregon Ave., let contract building 3 story, 84 x 135 ft., brick, steel and stone, brick foundation, on East 67th St. and Superior Ave., to W. J. Pierik, 1366 East 95th St. About $100,000. Noted F. b. 12.

★**Ill., Olney**—Sanitarium—O'ney Sanitarium Co. will build 2 story, 55 x 86 ft., rein.-con., brick and steel. About $100,000. Work will be done by day labor.

★**Wis., West Allis** (Milwaukee P. O.)—Grade School—Bd. Educ. let contract building 2 story, brick, rein.-con. and steel, concrete foundation, on Cupple site, to R. L. Reisinger & Co., 425 East Water St., Milwaukee, $118,552. Noted Sept. 9.

★**Minn., Hibbing**—Housing—Interstate Iron Mining Co., Virginia, let contract building fifteen 2 story, rein.-con., brick and steel houses, also 1 story, 40 x 78 ft. and 24 x 30 ft., rein.-con. and brick power house, to Pfeffer Constr. Co., 412 Torrey Bldg., Duluth. About $140,000; cost plus percentage basis.

★**Kan., Kansas City**—Station—Kansas City Terminal Ry., Union Sta. Bldg., Kansas City, Mo., will build 1 story, 34 x 141 ft. passenger station and 23 x 34 ft. head house, rein.-con. and brick, on 7th St. along Union Pacific R.R. tracks, here. About $150,000. Former bids rejected. Work will be done by day labor.

★**N. D., Marmarth**—High School—Bd. Educ. let contract building 2 story, 61 x 91 ft. rein.-con., brick and tile, to Colwell-Long Co., 354 Plymouth Bldg. Minneapolis, Minn. About $100,000. Noted Sept. 2.

★**Tex., El Paso**—Hospital Group—Home Mission Bd., Southern Baptist Conference, Atlanta, Ga., let contract constructing hospital group, to include 2 ward buildings, power house, superintendent's home, medical director's home, connecting underground passages, septic tank and sewage disposal plant, to C. W. Hedrick Constr. Co., Southwestern Life Bldg., Dallas. About $300,000.

★**Col., Cheyenne Wells**—High School—Bd. Educ. let contract building 2 story, 125 x 168 ft., concrete, brick and steel, concrete foundation, to Advance Constr. Co., Denver. About $100,000. Noted Sept. 16.

★**Idaho, Lewiston**—Hotel—Hotel Service Co. let contract building 5 story, 150 x 180 ft., rein.-con., to Hurley-Mason Co., Sherwood Bldg., Spokane, Wash. About $450,000.

★**Ont., Ottawa**—Theatre—Famous Players Film Corp., Temple Bldg., Toronto, let contract building concrete, brick and steel, on Queen St. here to Atlas Constr. Co., 37 Belmont St., Montreal, Que. About $525,000.

Federal Government Work

PROPOSED WORK

Mass., South Boston (Boston P. O.)—Steam Locomotive Crane—Spec. 4263—Bureau Yards & Docks, Navy Dept., Wash., D. C., soon receives bids installing 50 gross ton steam operated locomotive jib crane on tracks at Naval Dry Dock here. C. W. Parks, ch.

N. Y., Ft. Niagara—Filtration Plant—Const. Div., War Dept., Wash., D. C., plans to build, here. About $25,000.

Ga., Columbus—Refrigeration Plant—Constr. Div., War Dept., Wash., D. C., plans to build, here. Address, Major Moeller, care of Constr. Div. War Trade Bd.

Ala., Florence—Tie Line Constr. Div., War Dept., Wash., D. C., plans to build at Nitrate Plant 2, Muscle Shoals, here.

Kan., Ft. Leavenworth—Transport School, etc.—Constr. Div., War Dept., Wash., D. C., plans to build water transport school, cost $400,000; officers quarters, $600,000; water system, $60,000.

BIDS DESIRED

Mass., Chelsea—Macadam Roads, etc.—Spec. 4284—Bureau Yards & Docks, Navy Dept., Wash., D. C., receiving bids building macadam roads, repairing macadam and concrete roads, concrete retaining wall, concrete sidewalks, granite block pavement, drainage system, stone and brick masonry wall, ornamental iron fence and gates, steam heating system for existing and future guard houses, etc., at Naval Hospital, here; $10 deposit required for plans and spec.

R. I., Newport—Piers and Dredging—Spec. 4090—Until Oct. 20, by Bureau Yards & Docks, Navy Dept., Wash., D. C., building piers and dredging, here; $10 deposit required for plans and spec.

R. I., Providence—Dredging—Until Oct. 25, by U. S. Engineer Office, dredging in Stamford and Norwalk Harbor, Connecticut; advertised in this issue.

R. I., Providence—Remodeling Custom House and Post Office—Until Oct. 27, by Treas. Dept., Wash., D. C., remodeling, here. J. A. Wetmore, superv. archt.

W. Va., Wheeling—Lighting, Wiring, etc.—Until Oct. 20, by Treasury Dept., Wash. D. C., installing lighting, wiring conduits, etc., in Court House, Custom House and Post Office here. J. A. Wetmore, superv archt.

W. Va., Wheeling—Water Piping—Until Oct. 19, by Treasury Department, Wash., D. C., installing new water pipe in Court House, Custom House and Post Office here. J. A. Wetmore, superv. archt.

Mich., Lansing—Post Office—Until Oct. 20, by Treasury Dept., Wash., D. C., remodeling Post Office, here. J. A. Wetmore, superv. archt.

Ill., Rockford—Mailing Vestibule, etc.—Until Oct. 21, by Treasury Department, Wash., D. C., for new mailing vestibule, extension of driveway and interior changes in Post Office here. J. A. Wetmore, superv archt.

Mo., St. Louis—Earthwork—Until Nov. 5, by Secretary, Mississippi River Comm. 1311 International Life Bldg., building 1,100,000 cu.yd. earthwork in Sny Island Levee D. D.; advertised in this issue. Noted July 15.

Cal., San Diego—Fire Alarm System—Spec. 4288—Until Oct. 20, by Bureau Yards & Docks, Navy Dept., Wash., D. C., building, here. Noted Sept. 2.

Cal., San Diego—Marine Railway—Spec. 4297—Until Oct. 27, by Bureau Yards & Docks, navy Dept., Wash., D. C., and at office of Pub. Wks. officer, Timken Bldg., San Diego, removing partially constructed railway, etc. C. W. Parks, ch.; advertised in this issue.

H. T., Honolulu—Elevator Plant—Until Oct. 27, by Treasury Department, Wash., D. C., building in Post Office, Custom House and Court House here. J. A. Wetmore, superv. archt.

PRICES AND CONTRACTS AWARDED

(★Indicates award or contract)

D. C., Wash.—Storehouse—Spec. 4155—Bureau Yards & Docks, Navy Dept., received bids Sept. 29 building storehouse for combustibles, at Navy Yard here, (1) work complete, from C. H. Tompkins, 1883 3d St., N.W., (1) $37,000 (260 days), (2) $70, (3) add $2., deduct $0.85, (4) $5,300; W. E. Mooney, 505 Evans Bldg., (1) $37,999 (240 days), (2) add $66, deduct $25.50, (3) add $1.98, deduct $0.85, (4) $4,990; Boyle Robertson Constr. Co., 601 Evans Bldg., (1) $39,162 (260 days), (2) add $66, deduct $30, (3) add $2, deduct $0.80, (4) add $5,319. Noted Sept. 16.

Va., Hampton Roads—Drainage System, etc.—Spec. 4221—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids Sept. 29, building concrete roads and drainage system at Naval Operating Base, here, (1) work complete, from B. Pizzimento, Hyattsville, Md., (1) $133,626, (300 days); Atlantic Bitulithic Co., Virginia R.R. Power Bldg., Richmond, (1) $141,171, (150 days).

Federal Government Work—(Continued)

(2) $28,463; Hyde & Baxter, 1311 G St., N. W., Wash., D. C., (1) $157,900, (240 days), (2) $11,000. Noted Sept. 16.

★**Ga., Columbus**—Buildings—Major Moeller, War Trade Bldg., Constr. Div., War Dept., Wash., D. C., let contract constructing 179 buildings at Camp Bennings, here, to Selden-Breck Constr. Co., Fullerton Bldg., St. Louis, Mo., $823,441. Noted Sept. 30.

★**Fla., Jacksonville** — Jetty — U. S. Engineer offices, let contract building jetty at entrance to St. Johns River, to Seaboard Dredging Co., Durkee Bldg., $94,950.

★**La., New Orleans**—Jetty—U. S. Engineer, Custom House, let contract extending jetties at mouth of Southwest Pass of Mississippi River, to L. F. Alexander, Audubon Bldg., $700,000. Noted Aug. 19.

★**La., New Orleans** — Refrigerating Machine—Treasury Dept., Wash., D. C., let contract installing, in Marine Hospital here, to W. Leibe Refrigerator Mfg. Co., 740 Poydras St., $1,991. Noted Sept. 2.

★**Ky., Louisville** — Structural Steel Castings, etc.—U. S. Engineer let contract furnishing and delivering structural steel castings, etc., for Lock 44 (Lot A, structural steel), to Nashville Bridge Co., foot of Shelby Ave., Nashville, Tenn., $16,938; (Lot C, steel castings), to Duquesne Steel Fdry. Co., Farmers Bank Bldg., Pittsburgh, Pa., $1,183; (Lots D, E and F, iron casting valves, etc.), to J. and J. B. Milholland Co., 714 5th Ave., Pittsburgh, Pa., $29,914. Noted Aug. 26.

★**Ill. Freeport**—Remodeling Post Office—Treasury Dept., Wash., D. C., let contract remodeling, here, to J. M. and H. H. Hineline, 155 Van Buren St., $4,737. Noted Sept. 2.

Ill., Great Lakes—Harbor Development—Spec. 4136—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids Sept. 25, for developing harbor, at Naval Training School, here, to include breakwaters, pier quay walls, dredging and filling. (1) work complete, from Great Lakes Dredge & Dock Co., 104 South Michigan Ave., Chicago, (1) $1,179,068 (500 days), (2) $345,798 (200 days), (3) $95,484 (300 days), (4) $149,-006, (5) $73,968, (150 days), (6) $0.59 per cu.yd., (200 days), (7) $0.53 per cu.yd., (600 days), (11) $1,207,488, (550 days), (12) $1,079,915, (600 days) (13a) $335, (13b) $315, (13c) $290, (14a) $160, (14b) $150, (16a) $340, (16b) $331, (16c) $317, (17a) $240, (17b) $225, (17c) $211, (18) $0.60 per cu.yd., (19) $0.40 per lin.ft.; E. E. Gillen Co., 120 Wisconsin St., Milwaukee, Wis., (1) $1,295,000, (550 days), (2) $334,000, (200 days), (3) $135,000 (300 days, (4) $155,000 (150 days), (5) $64,000, (150 days, (6) $509, (200 days), (12) $1,195,-000 (13a) $444, (13b) $406, (13c) $360, (14a) $242, (14b) $242, (17a) $295, (17b) $277, (17c) $238, (18) $0.66, (19) $0.75, $50,000 addition for building railroad. Noted Aug. 19.

★**Ill., Savannah**—Nitrate Plant—Constr. Div., War Dept., Wash., D. C., let contract building nitrate storage plant and extensions to railroad, to H. W. Horst Co., Horst Bldg., Rock Island, $318,584 and $276,000 respectively; buildings and utilities, to E. L. Scheidenhelm Co., 1909 Harris Bldg., Chicago, $911,000 for upperfield and $1,694,500 for lower field; wire fence around entire project, to F. J. McCaughey, 189 West Madison St., Chicago, $47,500.

Mo., Kansas City—Steam Service Connection—Treasury Dept., Wash., D. C., received bids Sept. 27 for outside steam service connection at Post Office and Court House here from MacMahon Plumbing Co., 1329 Oak St., $10,478 (50 days); U. S. Eng. Co., 914 Campbell St., $14,000.

★**Utah, Ogden**—Buildings, etc.—Constructing Quartermaster, 317 Colonel Hudson Bldg., let contract for magazine buildings and utilities, to W. M. Sutherland Bldg. Co., Syndicate Trust Bldg., St. Louis, Mo., $1,287,443. Noted Aug. 19.

★**Wash., Keyport**—Double Radio Quarters—Spec. 4191—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract building, here, to Martin & Wills, 625 Seaboard Bldg., Seattle, $8,613, (90 days). Noted Sept. 16.

★**Cal., Mare Island**—Concrete Paving—Spec. 4296—Bureau Yards & Docks, Navy Dept., Wash. D. C. let contract concrete paving Railroad Ave. between 12th and 14th Sts., etc., to Clinton Constr. Co., 140 Townsend St., San Francisco, $19,990, (90 days). Noted Sept. 16.

Miscellaneous

PROPOSED WORK

Dam—Quincy (Boston P. O.), Mass.—Commonwealth of Massachusetts, Metropolitan Park Dept., 18 Tremont St., Boston, plans to build rein.-con. dam across Blacks Creek, here.

Park Improvements—New Haven, Conn.—City plans to issue $100,000 bonds to improve parks. F. L. Ford, city engr.

Gas Mains, Pipe, etc.—New Orleans, La.—New Orleans Gas Light Co., Baronne and Common Sts., plans to purchase new meters, cost between $40 000 and $65 000; lay 20,-000 to 25,000 ft. 6 in. gas mains, cost $100,-000; 18,000 ft. 12 in. pipe to reinforce small laterals in upper section of city.

Pavilion and Band Stand — Bemidji, Minn.—City having plans prepared for 50 x 150 ft. stucco bathing pavilion, concrete foundation, with 20 x 20 ft. band stand on top, in Diamond Point Park. About $25,000.

Coke Ovens—Milwaukee, Wis.—Milwaukee Coke & Gas Co., foot Greenfield Ave., having plans prepared by Kopper Co., archts., Union Arcade, Pittsburg, building 150 brick and steel coke ovens.

Incinerator—Wichita Falls, Tex.—City election Oct. 12, to vote on $125,000 bonds to build cinineator plant. J. Montgomery, city engr.

Parks and Cemetery—Wichita Falls, Tex.—City election Oct. 12 to vote on $25,000 bonds to build additions to parks and cemetery. J. Montgomery, city engr.

Hydro-Electric Developments—Winnipeg, Man.—Provincial Government plans to expend $1,000,000 for hydro-electric developmnt.

BIDS DESIRED

Baseball Field, etc.—Boston, Mass.—Until Oct. 15, by Park & Recreation Dept., 33 Beacon St., grading baseball field on Common and resurfacing walks over Common to field. About $35,000.

Electrical Equipment, etc.—New York, N. Y.—Until Oct. 18, by C. B. J. Snyder, supt. School Bldgs., Municipal Bldg., installing electric equipment in P. S. 38, on St. Anns Ave., Rae and Carr Sts. and Hagney Pl., Bronx Boro.; installing heating and ventilating, and temperature apparatus, electric passenger elevator and altering Bryant High School, on Wilbur Ave. between Academy and Radde Sts., Long Island City.

Ferryboat—New York, N. Y.—Until Oct. 11, by G. A. Whalen, comr. Plant & Structures, building steel screw ferryboat.

Tractors—New York, N. Y.—Until Oct. 22, by Bd. Purchase, Room 526, Muncipal Bldg., furnishing and delivering 50 gasoline motor driven tracklaying tractors to Dept. Street Cleaning.

Tractors—New York, N. Y.—Until Oct. 22, by Bd. Purchase, Municipal Bldg., furnishing and delivering 150 tractors. Former bids rejected. Noted Sept. 16.

Terminal — Rouses Point, N. Y. — Until Oct. 29, by E. S. Walsh, supt. Pub. Wks., Albany, completing terminal here. Terminal Contr. 26-A; advertised in this issue. Notd Sept. 16.

Testing Machine—Dover, Del.—Until Oct. 27, by State Highway Dept., furnishing 1 testing machine; advertised in this issue.

Freight Terminal—Baltimore, Md.—Until Oct. 9, by O. G. Simonson, archt., Maryland Casualty Tower, building 1 story, 40 x 114 ft., rein.-con. and brick, rein.-con. flooring, concrete foundation, on Eutaw and Pratt Sts., for Washington, Baltimore & Annapolis R.R., Liberty and Fayette Sts. About $25,000.

Derrick—Toronto, Ont.—L. S. Lovitz, 369 Sorauven Ave., receiving bids for 2 ton stiff leg derrick, 40 ft. boom.

Pier—Rondeau, Ont.—Until Oct. 12, by Dept. Pub. Wks., Ottawa, reconstructing portion of superstructure of western entrance pier, 228 ft. long, concrete. About $25,000. E. Lafleur, c/o Dept. Pub. Wks., Ottawa, engr.

Concrete Mixers, etc.—Vancouver, B.C.—Northern Constr. Co., Carrall St., receiving bids on concrete mixers and general equipment to be used in building concrete pier and transit sheds. A. McLean, purch. agt.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Freight Shed and Wharf—Portland, Me.**—Grand Trunk R.R., India St., will build 1 and 2 story, 125 x 400 ft., steel and timber freight shed and wharf, at Portland Harbor. Work will be done by day labor.

★**Wharf Repairs—Boston, Mass.**—Boston Elevated Ry. Co., 108 Massachusetts Ave., let contract repairing wharf at Lincoln Power Station Plant, timber and concrete, to Aberthaw Constr. Co., 27 School St. Cost to exceed $25,000.

★**Overhead Trolley System, etc.—North Adams, Mass.**—Boston & Maine R.R., North Sta., Boston, let contract building overhead trolley system in electric zone and resurfacing with concrete roof of Hoosac tunnel, 4¾ mi. long, to F. T. [illegible] & Co., Inc., 499 Main St., Springfield.

★**Athletic Field—Winchendon, Mass.**—D. Whitney & Son, Inc. will build athletic field to include baseball diamond, grandstand and bleachers. About $25,000. Work will be done by day labor.

Asphalt Plant — New York, N. Y.—H. Bruckner, pres. Bronx Boro., received bids Sept. 29 for (a) constructing and completing buildings of asphalt plant, (b) plumbing work for same, (c) building stiff leg derrick, (d) bulkhead, (e) erecting and completing plant, from M. DelBalso, 1134 Bryant Ave., (a) $54,570; Post & McCord, 101 Park Ave., (a) $73,375; Robbins & Ripley, 50 Church St., (a) $82,180, (d) $49,465; A. F. Dietneli, (b) $3,621; O'Rourke Crane Co., (c) $12,900; Terry Mfg. Co., (c) $13,995; Clyde Scales Co., (c) $17,350; Riverside Contg. Co., 161 Montague St., Brooklyn, (d) $28,716; Lustig & Weil, 103 Park Ave., (d) $46,609; Warren Bros., 50 Church St., (e) $25,895; T. D. Kiemmer, (e) $44,200. Noted Sept. 23.

★**Motor Driven Trucks—New York, N. Y.**—Bd. Purchase let contract furnishing and delivering 100 gasoline motor driven trucks to International Motor Co., 252 West 64th St., $366,766. Noted Sept. 16.

★**Foundation—Ironton, O.**—Bd. Educ. let contract building foundation for 2 story school to Taylor & Lynn, State Security Bank Bldg., 5th and Main Sts., Zanesville, $28,842.

★**Transmission Line—Fairmont, Minn.**—Martin Co. Elecric Co., Ceylon, let contract for materials for building 28 mi. transmission line from here through Welcome and Ceylon to Dunnell, to St. Paul Electric Co., 145 East 5th St., St. Paul. About $30 000.

★**Paving Materials — St. Paul, Minn.** — City received bids furnishing materials for paving Block 3, Warrendale addition, as follows: 228 bbl. portland cement, from St. Paul Builders Materials Co., 606 Ryan Bldg., $4.20 per bbl., 182 cu.yd. crushed rock for concrete base, St. Paul Crushed Stone Co., Stewart and Victoria Sts. $2.60, 23 tons limestone dust, Minnesota Crushed Stone Co., 1500 Johnson St. N.E., Minneapolis, $5.75, 54 tons binder stone, Minnesota Crushed Stone Co., 1500 Johnson St., N.E., Minneapolis, and St. Paul Crushed Stone Co., Stewart and Victoria Sts., $2.75, 27 tons traprock, W. T. Lemon Co., 1204 Pioneer Bldg., $2.60 f.o.b.; for Mounds Blvd., 1,204 bbl. portland cement, from St. Paul Builders Materials Co., 606 Ryan Bldg., $4.20, 488 cu.yd. crushed rock for concrete base, Stiefel Materials Co., 501 Concord St., $2.80, and W. T. Lemon Co., 1204 Pioneer Bldg., $2.40 f.o.b., 365 cu.yd. screened sand, Stiefel Materials Co., $1.70; Block 5, Summit Park Addition, 232 bbl. portland cement from St. Paul Builders Materials Co., 606 Ryan Bldg., $4.20, 186 cu.yd. crushed rock, Stiefel Materials Co., 501 Concord St., $2.70, and St. Paul Crushed Stone Co., Stewart and Victoria Sts., $2.60, 112 cu.yd. concrete sand and 75 cu.yd. screened sand, Stiefel Materials Co., 501 Concord St., $1.55, 15,960 lb. asphalt filler, Minnesota Road Equipment Co., 708 Plymouth Bldg., Minneapolis, $48 per ton, 1,330 sq.yd. re-pressed brick blocks, Streator Clay Mfg. Co., 713 Guardian Life Bldg., $2.22 vertical fiber laid 4 in. deep and $1.86 vertical fiber laid 3 in. deep.

★**Bins and Storage Sheds—Oconomowoc, Wis.**—Oconomowoc Fuel Co. let contract for material and equipment for building steel and concrete coal storage sheds and bins to Northern Conveyor & Mfg. Co., 3027 Walnut St., Milwaukee, about $25,000. Work will be done by day labor.

★**Steel, Iron, etc.—Sheboygan, Wis.**—Phoenix Chair Co., South 12th and Virginia Sts., let contract furnishing all steel, ornamental iron, structural steel, etc. for 4 story, 200 x 400 ft. factory and dry kilns to J. T. Ryerson & Son, 731 Wells Bldg., Milwaukee. Noted Aug. 26 under "Industrial Works."

★**Dock—Superior, Wis.**—Great Northern R.R., 175 East 4th St., St. Paul, Minn., let general contract wrecking and rebuilding outer portion of No. 3 iron ore dock and building approach to No. 1 iron ore dock at Allouez Bay, here, to Peppard & Fulton, 217 Bd. of Trade Bldg. About $800,000. Dock 1 involves 1,500,000 ft. timber and 30,000 lin.ft. piling; Dock 3, 7,500,000 ft. timber, 70,000 lin.ft. piling and 1,245 tons structural steel.

★**Pier and Transit Sheds—Vancouver, B. C.**—Vancouver Harbor Comrs., 712 Pender St., W., let contract building rein.-con. pier and transit sheds, to Northern Constr. Co., Ltd., Carrall St. About $4,500,000. Noted July 1.